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MUSCADING GRAPE INVESTIGATIONS

Varietal Vineyard

(BLOCK #3)

Coastal Plain Station,
Willard, No. Car.

Prepared by C. A. Mageon

MUSCADINE VARIETAL VINEYARD

(BLOCK 3)

COASTAL PLAIN STATION, WILLARD, NORTH CAROLINA

(Content of vineyard rows and identity of vines therein taken by C. A. Magoon on September 12, 1936 from the records of Mr. Charles Dearing, as of May 1, 1916, with later notes included to 1919.)

Row #	Vines	Blooming dates			Variety and Source
		1916	1919	1920	
1	1-10	6/4	6/4	—	Late white from S. Bodwell (6,8 and 10 replanted to unknown - probably "Sugar"
	11	5/29	5/31	—	Staminate No. 5684
	12-21	6/4	6/1	6/10	White Scuppernong from J. Chariett (1918 lost 12 and 14 only)
2	1-10	6/5	6/7	6/9	Flowers Improved, from J. M. Shipmann
	11	5/29	5/31	—	Staminate No. 5684
	12-14	5/28	6/1	6/9	Black grape from J. Chariett
	15-21	—	6/4	—	Thomas, from F. A. Hinkel
3	1-10	5/30	5/31	6/9	Memory
	11	5/30	6/1	—	Staminate No. 50226 from L. Jourden
	12-19	6/4	6/1	6/9	St. Augustine, from J. Chariett
	20-21	—	—	—	Native rotundifolia from T. V. Ormond, Elba, Ark
4	1-10	—	6/9	—	Seedling rotundifolia from Drawdy. (v8-10 trans. by V10 R15 B4, nursery lot 14)
	11	5/29	5/31	—	Staminate No. 5684
	12-21	6/5	6/4	6/11	New variety, from F. H. White (called "Creswell" (by Dearing)
5	1-10	6/4	6/1	6/9	Seedling from G. W. Drawdy (v6-10 trans. by V36 R15 B4, nursery lot 935)
	11	5/30	6/1	—	Staminate No. 50226, from L. Jourden
	12-21	6/4	6/1	6/7	Faeiry, from G. W. Faeiry
6	1-10	5/29	5/31	6/6	Black grape from J. W. Tarkington
	11	5/29	5/31	—	Staminate No. 5684
	12-21	6/3	6/1	6/9	James (original) from C. James

Row #	Vines	Blooming dates			Variety and Source
		1916	1919	1920	
7	1-10	--	6/11	--	Miscellaneous, from C. C. Haven (v6-10 trans. by V68 R14 B4 from nursery lot 13)
	11	5/29	5/31	--	Staminate No. 56846 from L. Jourden
	12-21	6/4	6/1	6/9	Smith, from McC. J. Smith
8	1-10	5/30	6/3	6/7	Beula, from B. F. Meekins (v6-10 trans. by V62 R14 B4 from nursery lots 930 and 12)
	11	5/30	6/1	--	Staminate No. 50226 from L. Jourden
	12-21	6/4	6/1	6/7	Luola, from G. W. Lennon
9	1-10	6/1	6/3	6/7	George, from G. W. Lennon
	11	5/29	5/31	--	Staminate No. 5684
	12-21	6/4	6/1	6/7	Wonder of World, from M. T. Williams (v16 replaced to Wonder)
10	1-10	5/30	6/1	6/9	Munsoniana #4362 from L. G. Boober
	11	5/29	5/31	--	Staminate No. 5684
	12-21	--	6/1	6/7	Small muscadine from M. Folley
11	1-10	6/4	6/4	6/10	Munsoniana No. 5149 from L. G. Boober
	11	5/30	6/1	--	Staminate No. 50226 from L. Jourden
	12-21	6/1	6/1	6/8	Wild muscadine from J. W. Moody
12	1-5	--	--	--	Munsoniana from W. S. Hort (v1-3 to V75 R11 B2 nursery lot 816 (or 316 ?)
	6-10	--	--	--	6, 7 and 10 replanted to V75 R11 B2. These died and ground used to receive trans-
	11	5/29	5/31	--	plants from B2 R1 V19 Staminate No. 5684
	12-16	--	6/4	--	V23 R4 B2
	17-21	--	6/5	--	V19 R3 B2 (v21 trans. by V64 R38 B4 nursery lot 919)
13	1-5	--	6/9	--	San Alba, from T. V. Munson
	6-10	6/4	6/3	6/9	San Jacinto from T. V. Munson
	11	--	--	--	Staminate from L. O. Boober No. 55569
	12-21	6/3	6/1	6/9	V47 R9 B2
14	1-5	6/5	6/4	--	San Rubra, from T. V. Munson
	6-10	6/4	6/7	--	San Monta, from T. V. Munson
	11	5/30	6/1	--	Staminate No. 55793 from T. V. Munson

Row #	Vines	Blooming dates			Variety and Source
		1916	1919	1920	
14	cont.12-21	6/4	6/4	6/7	Unknown 50340
15	1-10	5/30	6/1	6/7	Carolina Belle, from J. K. Hendren (v5 Carolina Belle nursery lot 909)
	11	—	—	—	Staminate No. 55569 from L. O. Boober
	12-16	6/4	6/1	6/9	Coloring, from Mrs. A. T. Currell
	17-21	6/4	6/7	—	Wild pink grape from J. E. Fields
16	1-5	—	6/4	—	La Salle, from T. V. Munson
	6-10	—	6/7	—	San Melaska, from T. V. Munson
	11	5/30	6/1	—	Staminate No. 55793 from T. V. Munson
	12-16	—	6/3	6/9	Thompson's White, (originally planted at R17 B3. // V15 and 16 replanted by V17 R6 B2)
	17-21	6/4	6/4	6/7	No name
17	1-5	6/4	6/4	6/9	Labama, from T. V. Munson
	6-10	—	6/9	—	V4 R9 B2
	11	—	—	—	Staminate No. 55569 from L. O. Boober
	12-16	—	6/7	—	V39 R2 B2
	17-21	6/4	6/4	6/10	V69 R7 B2
18	1-5	6/5	6/4	—	V48 R9 B2
	6-10	—	6/4	6/9	Large muscadine from M. Folley
	11	5/29	5/31	—	Staminate No. 5684
	12-14	6/4	6/1	6/7	V34 R5 B2
	15-21	—	—	—	Latham (v17, 19 and 21 trans, nursery lot 809)
19	1-2	5/30	6/1	—	Scuppernong seedling from L. Jourden
	3-5	—	—	—	V19 R7 B2
	6	—	6/4	6/9	A good pinkish light grape
	7-10	6/4	6/9	—	V43 R10 B2 (v8 trans. by V6 R19 B3 nursery lot 23)
	11	5/29	5/31	—	Staminate No. 5684
	12-16	6/3	6/1	6/8	Large Scuppernong, from Glen St. Mary (Nursery)
	17-21	—	6/3	6/9	Thompson's White, (originally planted in Row 19)

Row #	Vines	Blooming dates			Variety and Source
		<u>1916</u>	<u>1919</u>	<u>1920</u>	
20	1-10	6/4	6/4	6/8	White rotundifolia from S. Johnson
	11	--	--	--	Staminate No.55569 from L. O. Boober
	12-16	--	6/7	--	V21 R15 B2
	17-21	5/30	6/1	6/7	Pride, from C. G. Sonntag
21	1-5	6/1	6/4	6/9	V80 R3 B2 (Dearing's "Kilgore")
	6-10	6/4	6/3	--	Scuppernong, from J. W. Pinner
	11	--	--	--	Staminate No.55569 from L. O. Boober
	12-16	--	6/4	--	V22 R15 B2 Willard, N.C. (v13 trans. by same from nursery lot 934)
	17-21	--	6/4	6/9	V25 R5 B2
22	1-5	5/30	6/1	6/8	Pee Dee 5677
	6-10	--	6/3	--	V63 R11 B2
	11	--	--	--	Staminate No.55569 from L. O. Boober
	12-16	6/4	--	--	Lady James (v12 apparently Thomas, v13-16 small white grape -(trans. by Lady James nursery lots 42 and 43)
	17-21	6/4	6/4	--	Peculiar, from B. F. Meekins
23	1-5	--	6/4	--	Latham
	6-10	--	6/7	6/9	V70 R1 B2
	11	--	--	--	Staminate No.55569 from L. O. Boober
	13-14	5/30	5/29	6/8	Hopkins
	17-21	5/10	set 6/1 about 5/19	V54 R9 B2	
24	1-5	--	--	--	Brown (Trans. by V4 R27 B4 nursery lots 925 and 2b)
	6-10	6/1	6/1	6/7	Tarkington (H. H.)
	11	--	--	--	Staminate M/L V7 R11 B2, Willard, N. C.
	12-16	--	6/7	6/9	V28 R9 B2
	17-21	5/10	set 6/1 about 5/15	V78 R9 B2	
25	1-5	6/4	--	--	Peculiar (possibly)(trans. by V36 R36 B4 nursery lots 928 and 2b)
	6-8	6/5	6/7	--	V27 R9 B2 (vines 6 and 10 of Row 25 trans. by V24 R32 B4 nursery lot 926)
	9-10	6/4	6/2	--	Munsoniana No.2(vine 9 is a good male)

Row#	Vines	Blooming dates			Variety and Source
		<u>1916</u>	<u>1919</u>	<u>1920</u>	
25 cont.	11	--	--	--	Staminate V7 R11 B2 Willard, N. C.
	12-16	--	--	--	New variety from T. H. Woodly
	17-21	6/4	--	--	No name, from E.City (trans. by V2R39 B4 nursery lot 929)

MUSCADINE VARIETAL VINEYARD OBSERVATIONS

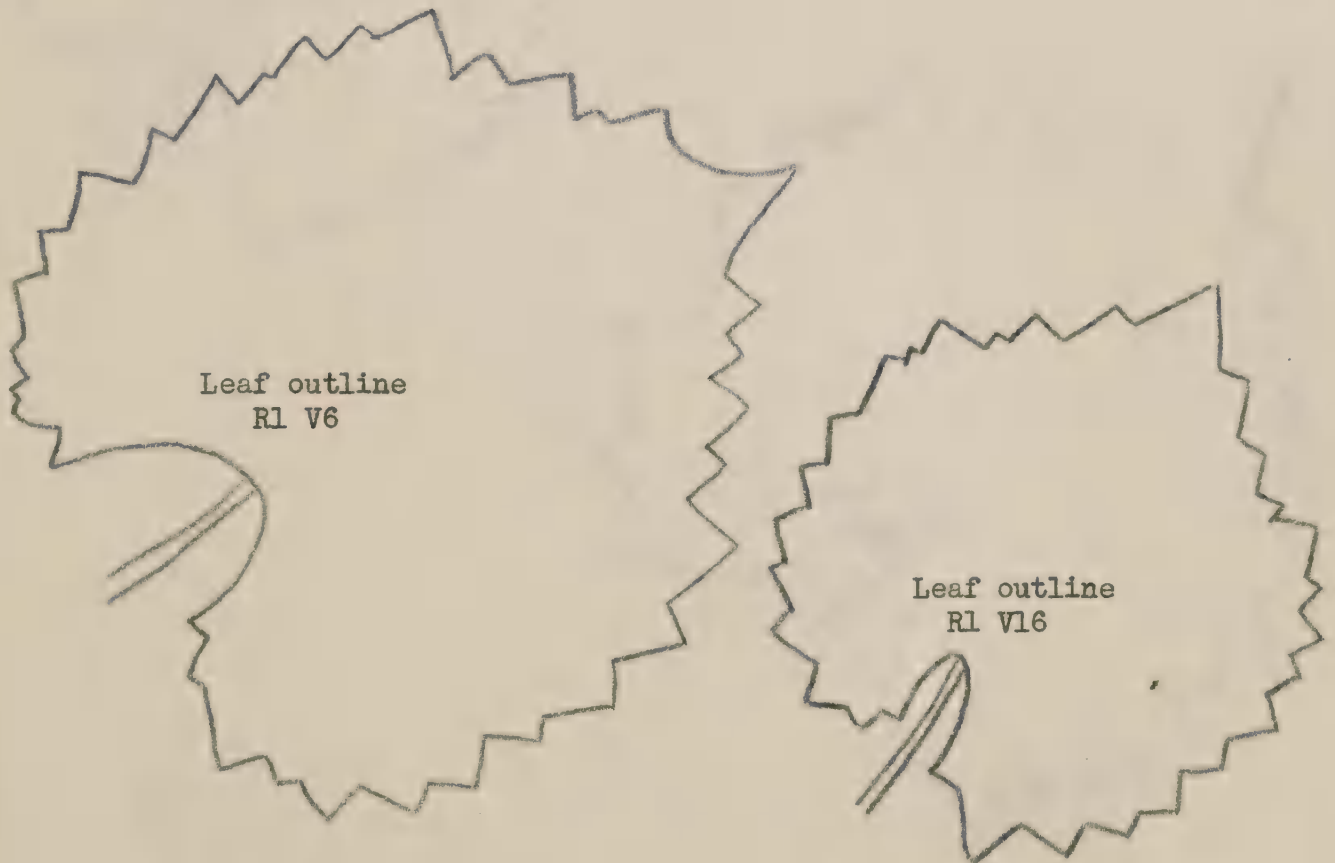
(BLOCK 3)

by C. A. M.

September 12 - 15, 1936.

Row 1, Vine 6:

Identity uncertain, but probably "Sugar". Vine fairly vigorous, leaves glabrous, tendrils stained red. Fruit medium size, sweet and good with fairly pronounced flavor. Pulp fairly melting and of good texture. Berries from few to 8-10 in cluster, varying in size from $\frac{5}{8}$ to $\frac{3}{4}$ inch in diameter, fairly persistent. Skin rather tough. Color purplish black with russet spots and some russet striping.

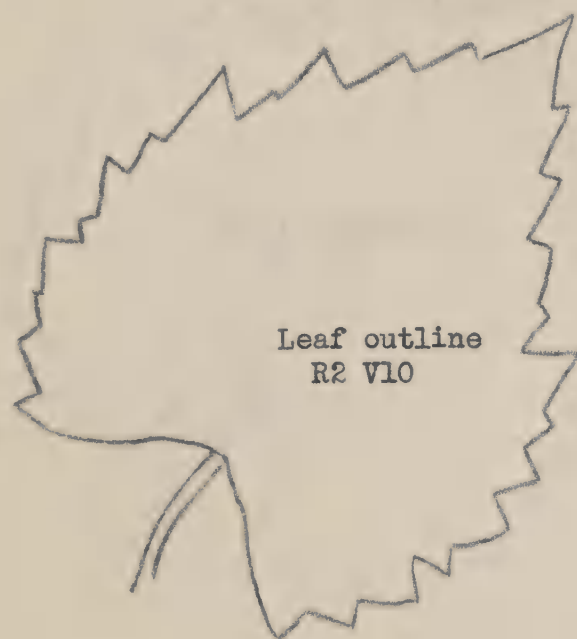


Row 1 Vine 16

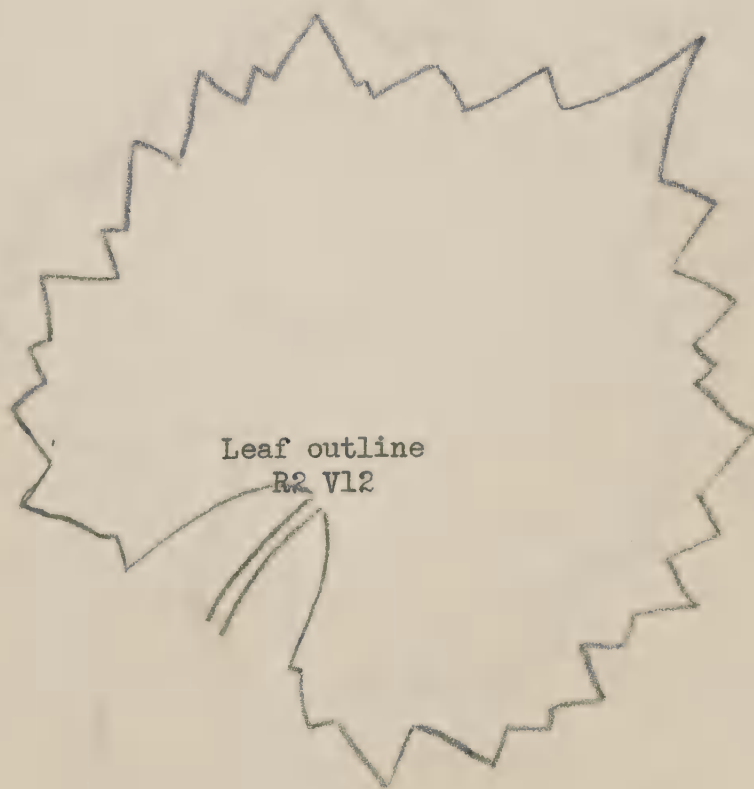
Variety probably "Smith". Vine vigorous. Leaves cordate, rather small (see outline), tendrils stained. Clusters of fruit rather small (1-8). Berries purplish black, round to slightly oblong, $\frac{5}{8}$ to $\frac{3}{4}$ inch in diameter with russet spots and some russeting in patches. Seeds up to 4-5. Pulp fairly tender and sweet. Flavor mild. Not very acid. Berries shatter when ripe. Quality good. Majority of berries of good size.

Row 2 Vine 10

"Flowers Improved" from J. M. Shipmann. This variety has suffered from winter killing, apparently, as many of the vines are killed back to the ground. The 2 or 3 vines remaining are not very vigorous. Clusters of fruit contain 8-12 berries, purplish black in color, with russet mottling. Not yet ripe. Berries persistent, brush adhering to pedicel when berry is removed. Berries $1/2$ to $11/16$ inch (medium size). Too immature at this time to judge of quality. Nothing extra now.



Leaf outline
R2 V10



Leaf outline
R2 V12

Row 2 Vine 12

Black grape from J. Chariett. Vine very vigorous, leaves cordate. Berries black, medium to better in size. Fruit clusters small to medium in size (8-10 berries). Berries show russet spotting. Skin rather thin and tender. Pulp melting, sweet and of good flavor. Crop heavy. Fruit persistent, quality good. Seeds 3-4. This variety makes very vigorous growth and looks good. Clusters rather loose, peduncle medium long. Berries slightly oblong, $1/2$ to $11/16$ inch in diameter.

Row 2 Vine 19

"Thomas", from F. A. Hinkel. Vine vigorous. Clusters small and loose with 8-10 berries. Dark purple to black with russet spots. Fruit fairly persistent. Skin tough and leathery but not very thick. Flesh melting and flavor very good. Seeds 1-4. Berries 16-20 mm in diam.

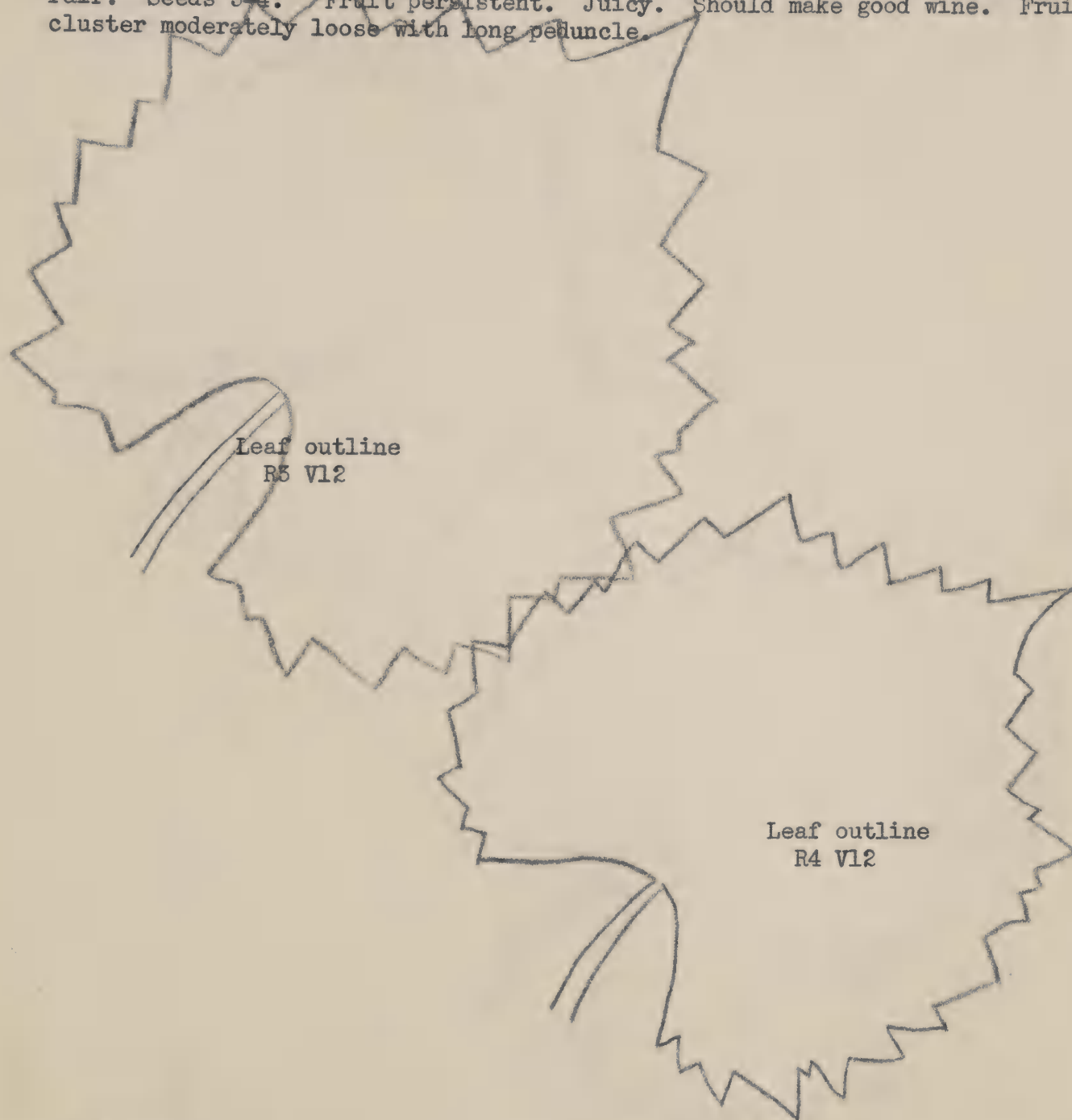


Row 3 Vines 1-10

"Memory". Vines vigorous. An early grape. Fruit clusters contain 6-8 berries medium to better in size. Color black with russet spots. Skin rather thin but fairly tough. Fruit shatters when ripe. Pulp melting, sweet and juicy. Fine table quality. Berries 11/16 to 12/16 inch in diam. Seeds 2-4.

Row 3 Vine 12

"St. Augustine", from J. Chariett. Vine very vigorous. Clusters of fruit medium to small. Berries purplish black with russet spots, 9/16 to 11/16 in diameter. Skin fairly thin, flesh melting, rather acid. Flavor fair. Seeds 3-4. Fruit persistent. Juicy. Should make good wine. Fruit cluster moderately loose with long peduncle.

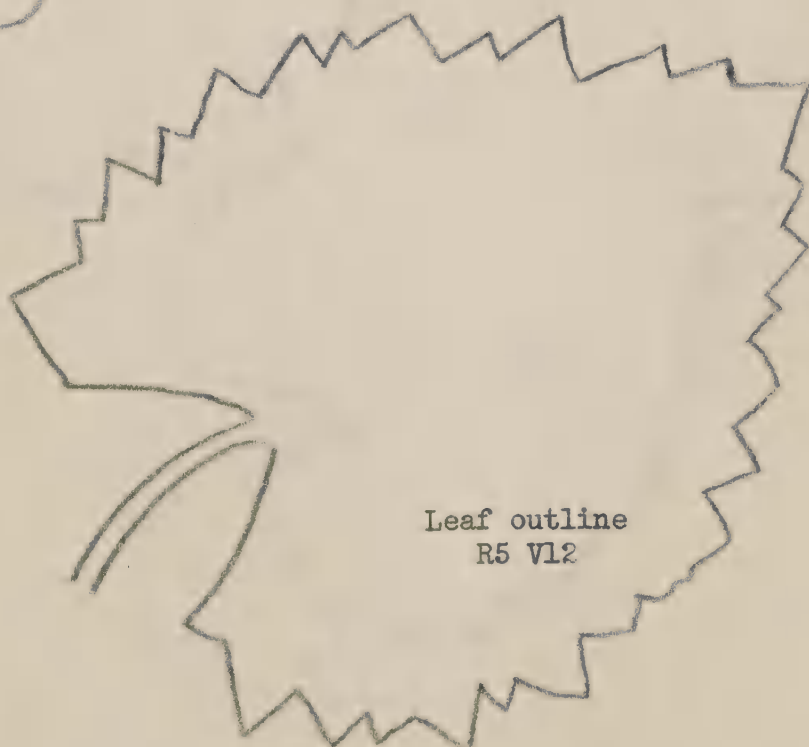
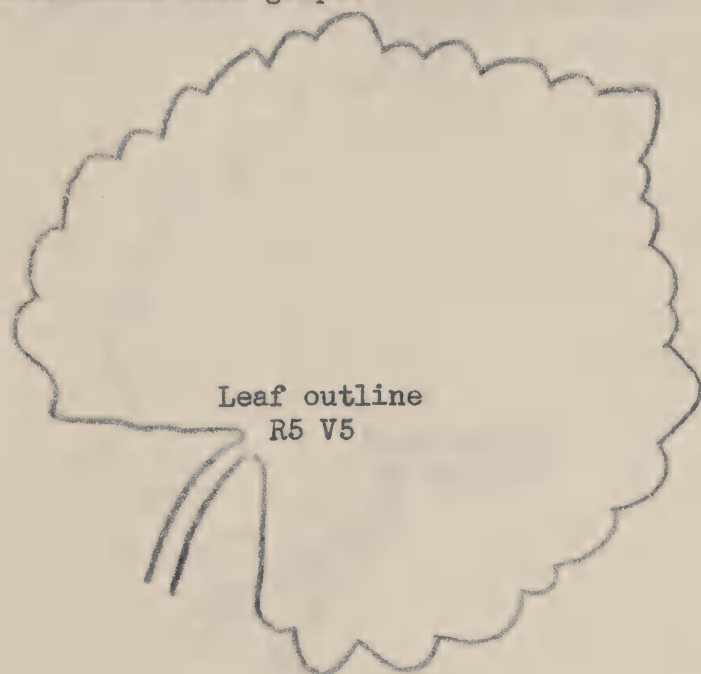


Row 4 Vine 12

New variety from F. R. White. Now called "Creswell" by Mr. Dearing from the fact that it came from Creswell, N. C. Vines moderately vigorous to vigorous. Grape black, borne in small compact clusters of 8-15 berries. Berries round to slightly oblong. Russet spots and some russetting on fruit. Berries 5/8 to 1 inch in diameter. Flesh melting, sweet and good flavor. Seeds about 4. Fruit persistent. Skin moderately thin, rather tough.

Row 5 Vine 5

Seedling from G. W. Drawdy. Vines fairly vigorous. Grape black in color. Clusters rather small. Fruit shatters badly. Berries large, $11/16$ to 1 inch in diameter, round. Peduncle medium short. Skin leathery. Fruit rather acid but juicy and pulp is fairly tender. There is not much to recommend this grape.

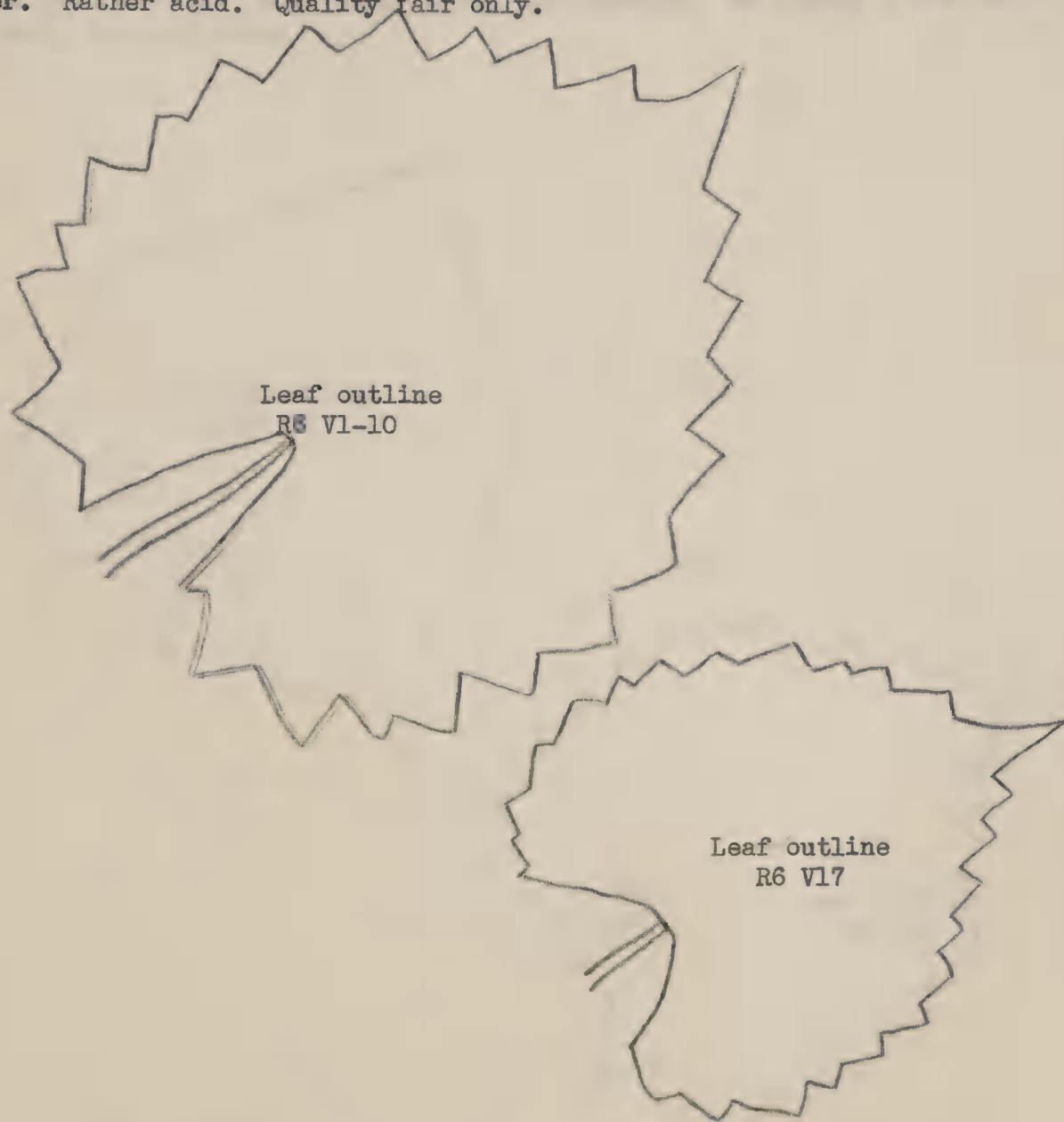


Row 5 Vine 12

"Faeiry" from G. W. Faeiry. A late black grape with small loose clusters of fruit. Some clusters fairly large. Berries black with russet spots, $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter. Berries too few for good test, but are fairly sweet and apparently the berries are fairly persistent. Of the 10 vines originally planted nearly all are dead.

Row 6 Vines 1-10

Black grape from J. W. Tarkington. Vine vigorous. Clusters of fair size but berries small. Apparently quite early. Peduncle fairly long, cluster loose. Berry dark purple to black with russet spots. Skin tough. Berry fairly persistent. Moderate crop. Berries 12-15 mm in diameter. Rather acid. Quality fair only.



Row 6 Vine 17

"James"(original) from C. James. Vines rather weak and only 2 vines of the original 10 really much alive. Clusters of medium size. Berries purple-black with russet spots and patches. Peduncle medium to short. Cluster loose to fairly compact. Berries large, 18-26 mm. in diameter. Skin rather leathery, pulp fairly tender. Sweet, but without pronounced flavor or acidity. Appears fairly persistent although this seems to be a late grape. Seeds 3-7.

Row 7 Vine 4

Wild grape from C. C. Haven. Vine vigorous. Very small grape in clusters of 6-12 berries. Black- look almost like black cherries. Tart - with almost the taste of cherries. Leaves green and closely set on vine. Seeds small - 6-8. Berries 8-11 mm. in diameter. No russet spots, or if present, inconspicuous.



Row 7 Vine 12

"Smith", from McC. J. Smith. Vines vigorous. Fruit clusters with 6-8 berries. Berries dark purple to black and average large in size, round or slightly elongated. Shatters readily. Russet spots. Pulp tender and juicy, sweet and good flavor. Berries 16-24 mm. in diameter.

Row 8 Vines 1-5

"Beula" from B. F. Meekins. Vines fairly vigorous. Clusters small to medium - 3-9 berries. Berries deep purple to black in color with russet spots and patches. Berries average large, 17-25 mm., round or slightly flattened. Shatters readily. Pulp fairly tender. Rather good muscadine flavor. Skin medium thick. Seeds 2-4.

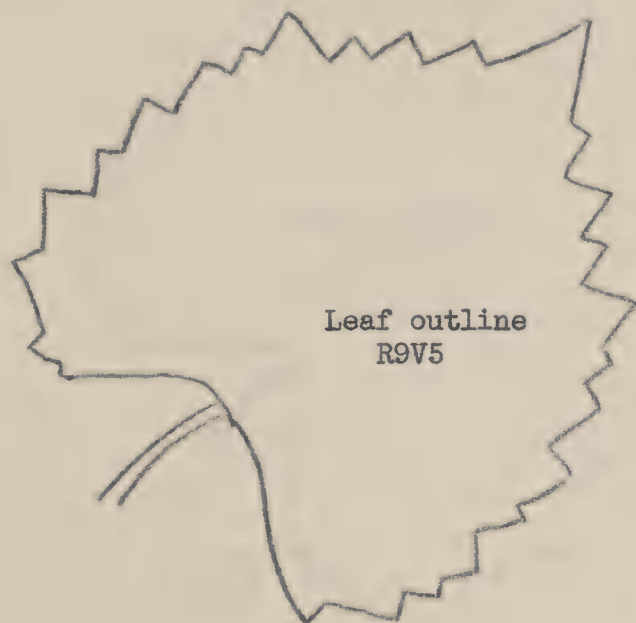


Row 8 Vine 13

"Luola", from G. W. Lennon. Vine apparently not very hardy - a number of original planting of these dead (may be due to tendency of this grape to overbear - Dearing). Foliage thin. Fruit purplish black with russet spots and patches. Clusters small to medium, fairly compact. Peduncle rather short. Berries 10-20 mm in diameter, persistent. Pulp moderately tender but not outstanding in this regard. Not distinctive in flavor. Seeds 3-4. Skin rather thick. Quality only fair.

Row 9 Vine 5

"George" from G? W. Lennon. Vines have only moderate vigor, about every other one in the planting missing. Cluster small to medium, 5-10 berries. Fruit purplish black with russet spots and patches, round, 16-20 mm. in diameter. Sweet, but pulp is a bit tough. Persistent. Seeds 3-4. Flavor fairly good. Skin fairly tough and of moderate thickness.

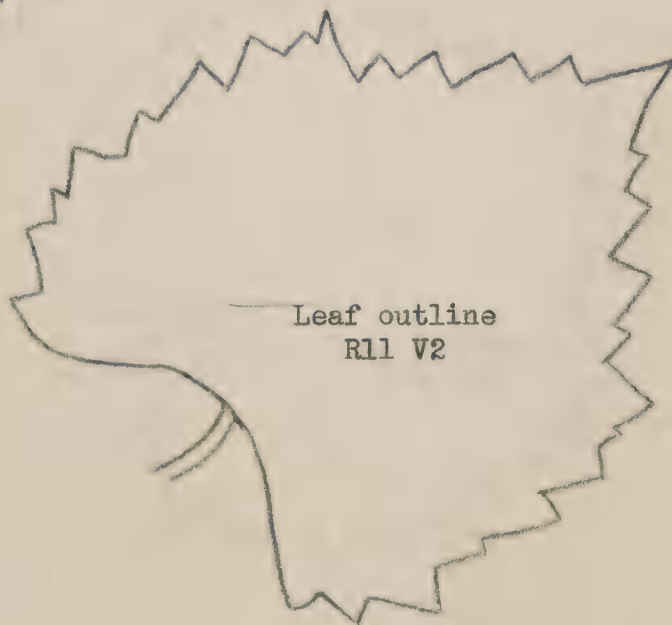


Row 9 Vine 14

"Wonder of World", from M. T. Williams. Vines young with but small amount of fruit. Clusters small to medium with long peduncle. Berries dark purple with russet spots, 18-23 mm. in diameter. Skin moderately tough and of medium thickness. Seeds 3-4. Appears fairly persistent. Nothing distinctive about this grape except size.

Row 10 Vine 12.

Small muscadine from M. Folley. Vine vigorous, well loaded with fruit. Clusters small to medium. Berries black with russet spots, size medium, 16-17 mm. Fairly persistent. Pulp fairl melting, sweet and good flavor. Seeds 2-4.



Row 11 Vine 2

Recorded as a Munsoniana No. 5149 from L. G. Boober, but there is some doubt in my mind about the identity. Not a Munsoniana at all. Vine vigorous bearing a heavy crop. There is a fine aroma to the fruit that is noted before arriving at the vine - a fine fruity odor. Clusters medium in size. Berries greenish yellow with russet spots and markings, round to slightly elongated, 14-18 mm. in diameter, persistent. Skin thick and leathery. Looks like a Scuppernong to me. Seeds 2-3. Pulp fairly tender, moderately acid.

Row 11 Vine 7

Recorded as Munsoniana No. 5149 from L. G. Boober, but this identification is in doubt, as far as I am concerned. Vine vigorous bearing small bunches of a black grape, 8-10 to the cluster, and 13-15mm. in diameter. Moderately persistent, rather acid. Pulp moderately tender. Seeds 2- . This grape has nothing apparent to recommend it.

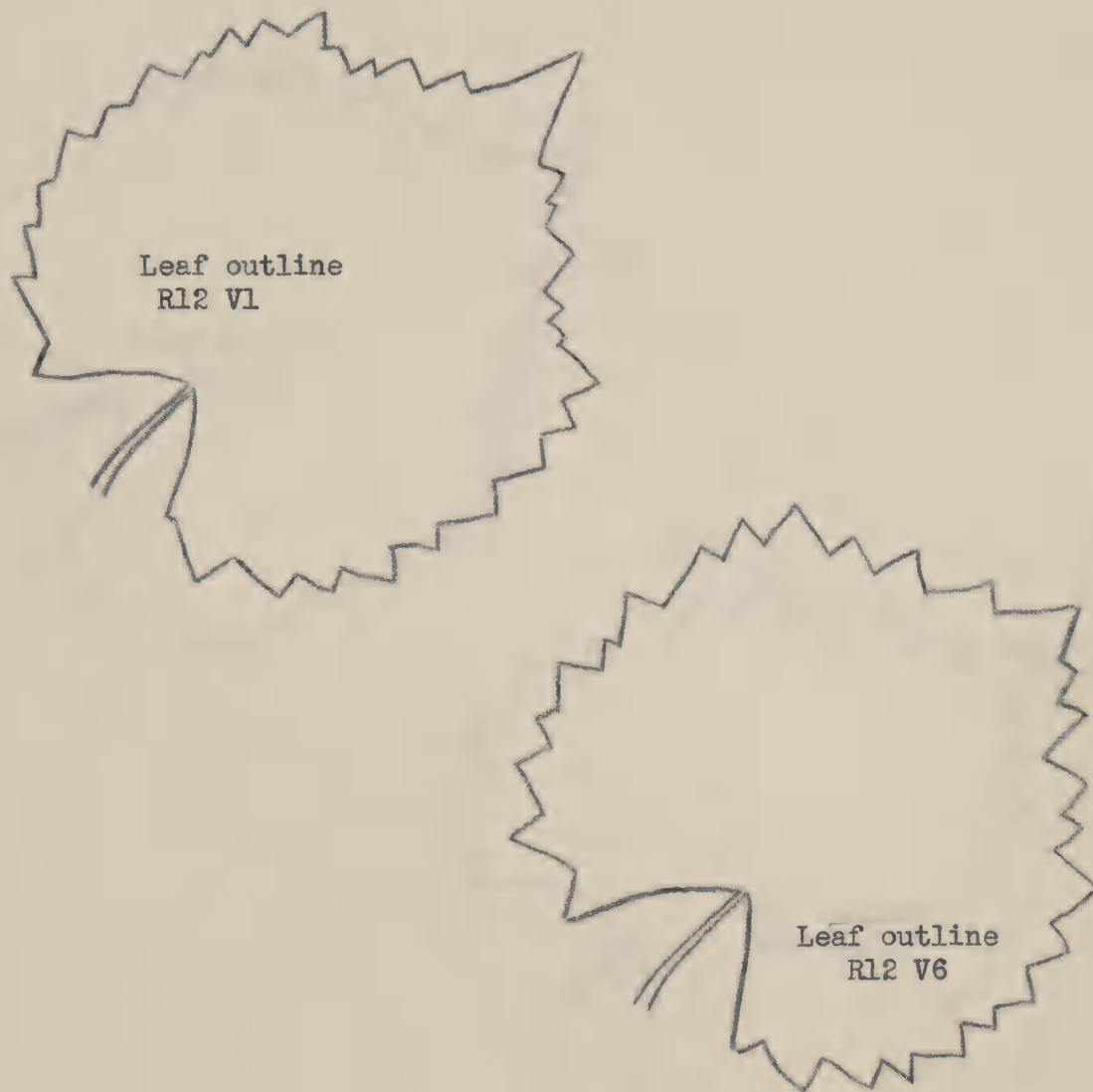


Row 11 Vine 14

Wild muscadine from J. W. Moody. Vine moderately vigorous. Clusters small, 6-8 berries, 11-15 mm. in diameter. Color black. Pulp a small lump containing usually 1 seed. Rather acid, no particular flavor. Shatters readily.

Row 12 Vine 1

V75 R11 B2 from nursery lot 816. A large late white grape, clusters small. Berries yellowish green when mature. Very acid at this time. Russet spots and patches. Vine only moderately vigorous. Fruit shatters readily. Of fair quality when ripe. Resembles Scuppernong in appearance.

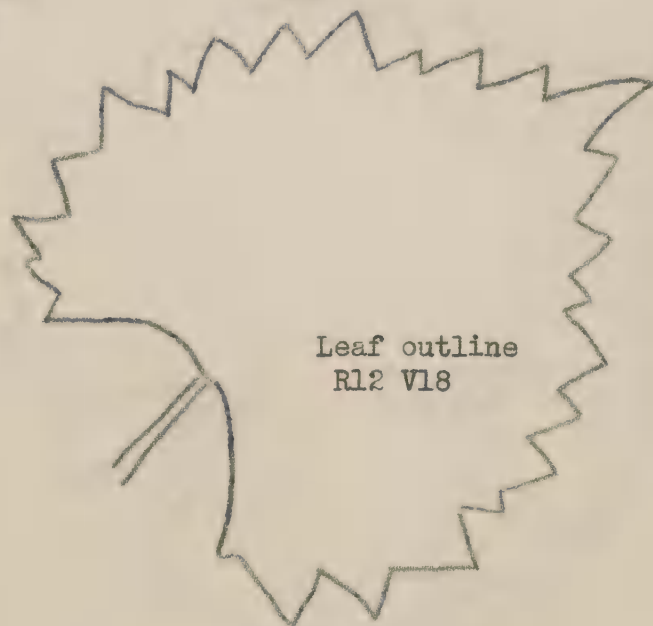
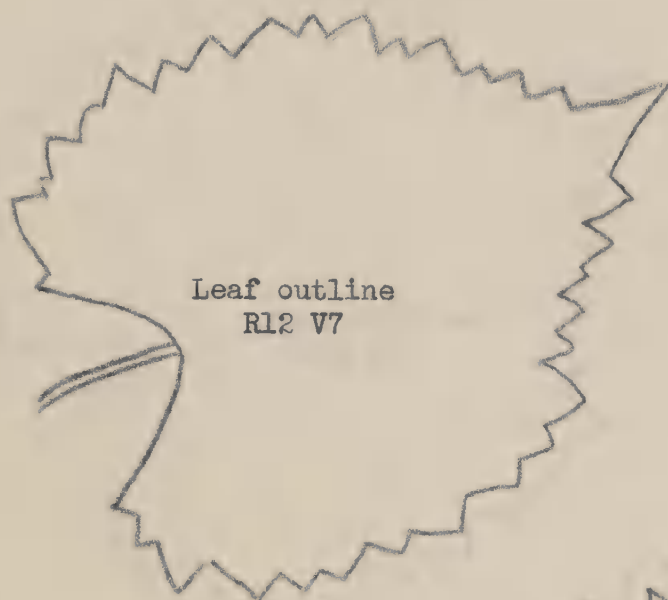


Row 12 Vine 6

V19 R1 B2. Vine fairly vigorous bearing a white or greenish yellow grape. Shatters early. Very acid - sets teeth on edge. Pulp rather tough. Seeds 3-4. Berries 15-18 mm in diameter.

Row 12 Vine 7

V19 R1 B2. Vine moderately vigorous. Clusters of purple-black berries (1-12) with moderately long peduncle. Russet spots and patches on the leaves. Berries 12-20 mm in diameter. Pulp moderately tender, sweet and of good flavor. Seeds 3-4.

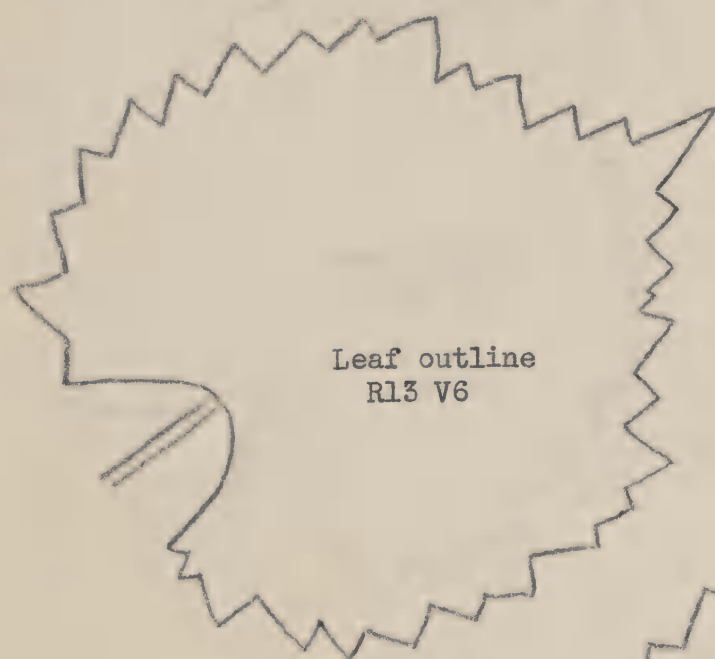


Row 12 Vine 18

V19 R3 B2. Vine fairly vigorous. Clusters contain 8-10 berries black in color with russet specks. Berries 10-13 mm. in diameter. Pulp medium soft, considerable sugar, flavor good. Small crop, but some may have fallen.

Row 13 Vine 6

"San Jacinto" from T. V. Munson. Vine vigorous and bearing a heavy crop. Clusters medium in size (5-15 berries), peduncle rather short, medium compact. Berries purplish black with russet spots and patches, 14-20 mm in diameter, fairly persistent. Vine makes fine appearance. Pulp fairly tender and moderately acid. Flavor fair but not outstanding. A handsome vine and fruit. Skin moderately tough, seeds 3-4. Above average in yield and persistence



Leaf outline
R13 V6



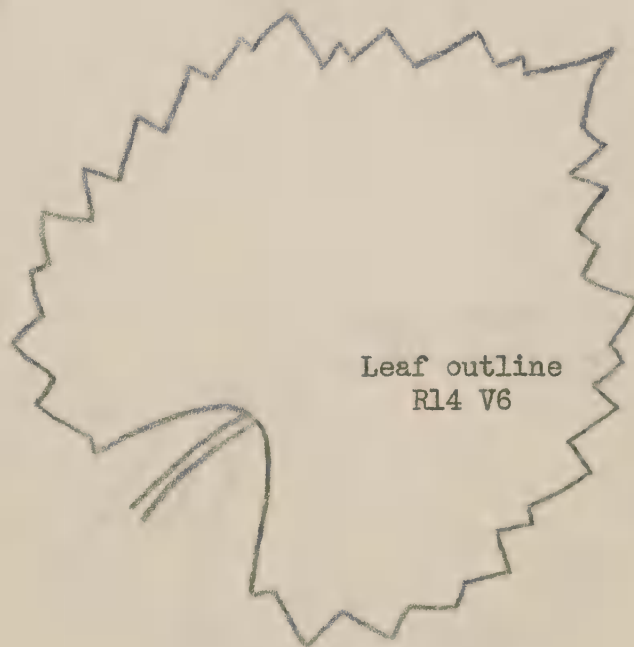
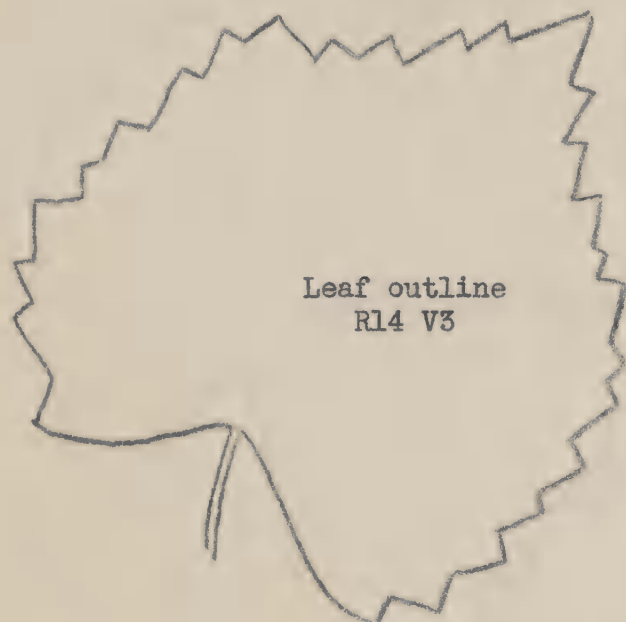
Leaf outline
R13 V12

Row 13 Vine 12

V47 R9 B2. Vine vigorous with good crop of greenish yellow or bronze colored fruit. Clusters contain 6-10 berries 18-24mm. in diameter, fairly persistent. Skin tough and medium thick. Pulp fairly tender, rather acid. Seeds 3-4. Looks like a fairly good grape though the flavor is not pronounced.

Row 14 Vine 3

"San Rubra" from T. V. Munson. Vine very vigorous with fairly heavy crop. Clusters contain 8-15 berries, yellowish green in color with a red flush. Pulp fairly tender, rather acid. Persistent.. Skin fairly thin but tough. Flavor not outstanding. Berries 15-17 mm in diameter.



Row 14 Vine 6

"San Monta" from T. V. Munson. Vine vigorous with heavy crop. Berries black, 10-14 mm in diameter with russet dots and patches. Persistent or else quite late. Skin tough but thin, pulp acid and only moderately tender. Not very attractive probably because immature. Seeds about 4.

Row 14 Vine 12

Unknown 50340. Vine vigorous with heavy crop of dark purple grapes. Clusters of fair size (12-20 berries) set rather close to the vine. Russet spots and patches of fruit. Persistent. Berries 16-20 mm in diam. Skin medium thin but tough. Pulp a little tough, but not bad. Rather sweet and of fair quality. Seeds 3-4

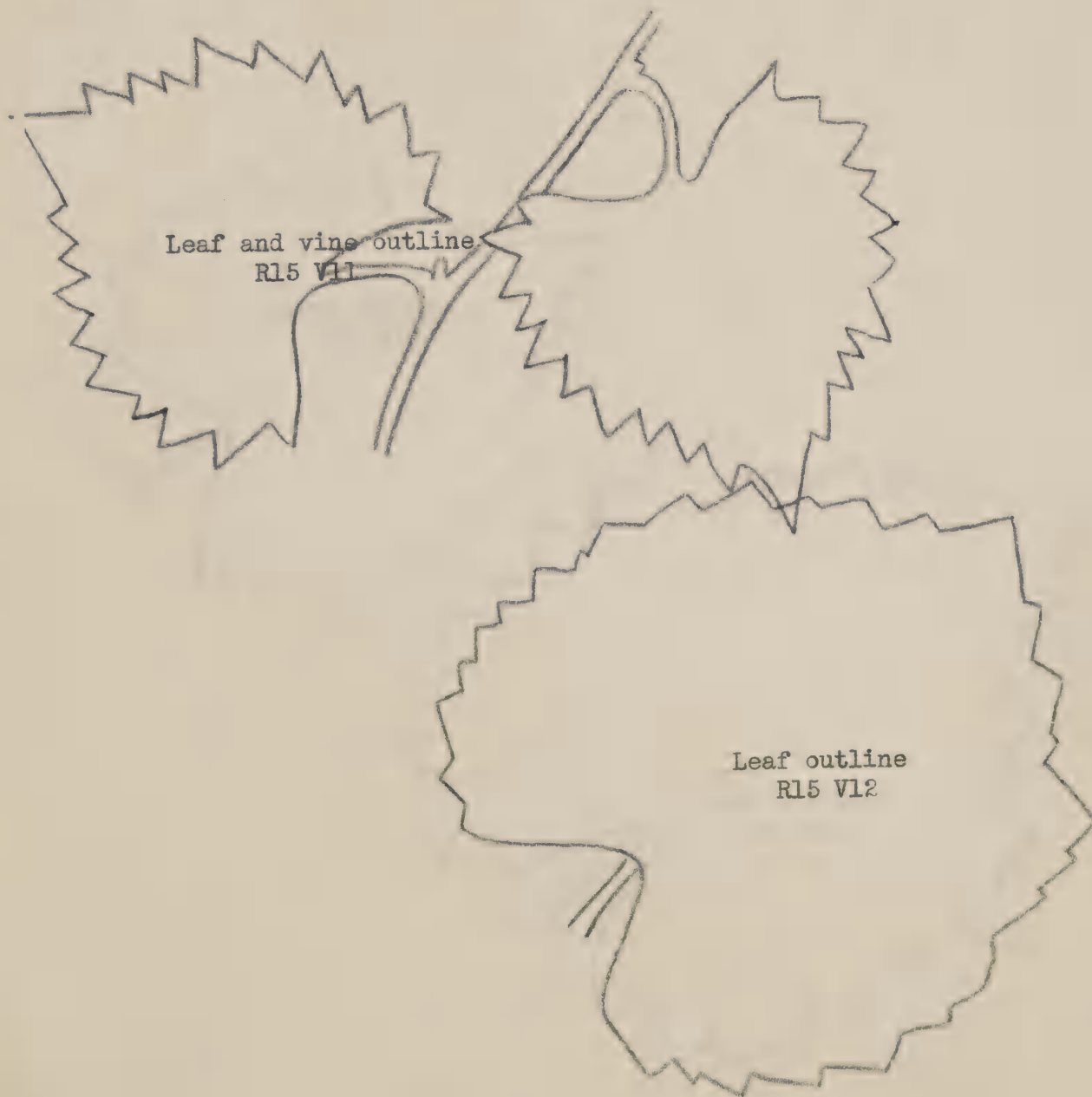


Row 15 Vines 1-10

"Carolina Belle" from J. K. Hendren. Vine vigorous, leaves large for a muscadine. Clusters of medium size. Shatters badly. Berries purplish black with russet spots and patches, 10-16 mm in diameter. Skin thin but tough. Pulp rather tough but of fair flavor. Seeds 3-4. Berries more or less shrivelled. Appears to be an early variety.

Row 15 Vine 11

Recorded as Staminate No.55569 from L. G. Boober, but clearly a Munsoniana. Vine vigorous, the foliage distinguished by small green leaves, bright green above and lighter below, and red growing canes. Fruit borne in clusters of small black berries having tiny russet specks. Berries 10-12 mm in diameter. Skin this and fairly tender. Pulp melting and of good flavor. Seeds 3-4.



Row 15 Vine 12

"Coloring" from Mrs. A. T. Currell. Fairly vigorous vine with heavy crop of purplish black berries having russet spots and streaks. Clusters fairly compact with 10-20 berries, peduncle short. Berry size variable, 17-20 mm being most common. Fruit rather persistent - medium late I judge. Pulp of medium tenderness. Flavor fair when ripe.

Row 15 Vine 21

Wild pink grape from J. E. Fields. Vine of only moderate vigor - hardly that. Fruit in clusters of 12-15 berries, purplish pink in color and 12-15 mm in diameter. Skin rather thick and tough. Not much pulp but tender and of fairly good quality. Mildly acid. Seeds 2-4. It is interesting to note that tendrils and young shoots are green.



Row 16 Vine 5

"La Salle" from T. V. Munson. Vigorous vine with heavy crop. Leaves dark green. Clusters small to medium with dark purple-black berries. Fruit fairly persistent. Berries 16-20 mm in diameter with russett spots and patches. Skin medium thin. Pulp fairly tender when ripe. Sweet, and good muscadine flavor. Seeds 3-4

Row 16 Vine 7

"San Melaska", from T. V. Munson. Fairly vigorous vine with heavy crop of purplish black grapes having russet spots and patches. Good sized clusters (10-25 berries) with moderately long peduncle. Berries 14-18 mm in diameter, rather persistent. Marked amount of tannin about the seeds. Flavor good, Pulp tender. A desirable grape.

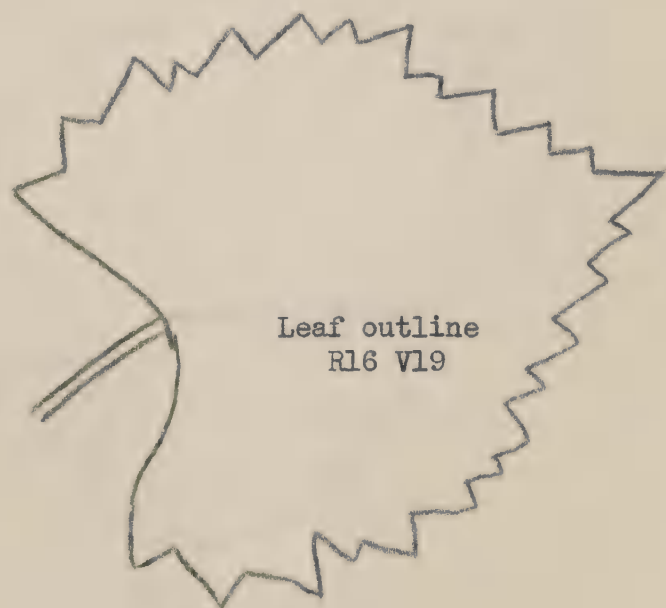


Row 16 Vine 12

"Thompson's White". Vigorous vine with good crop of greenish yellow berries flushed with pink. Russet spots and stripes. Clusters of berries medium size (6-12) the berries 15-20 mm in diameter. Fruit fairly persistent. Skin thin but tough. Pulp moderately tender only, sweet and of good flavor. A rather good grape - one of the best of the white varieties.

Row 16 Vine 15

V17 R6 B2. Vine of moderate vigor. Fair crop of yellowish green berries with reddish stripes and dots. Somewhat resembles the Thompson's White. Clusters may get to considerable size (15-20 berries). Berries 16-18 mm in diameter. The red markings make this an interesting grape. It is a bit more acid than Thompson's White and the flavor is not quite so good. Shatters somewhat. Pulp fairly tender. Seeds 3-4.



Row 16 Vine 19

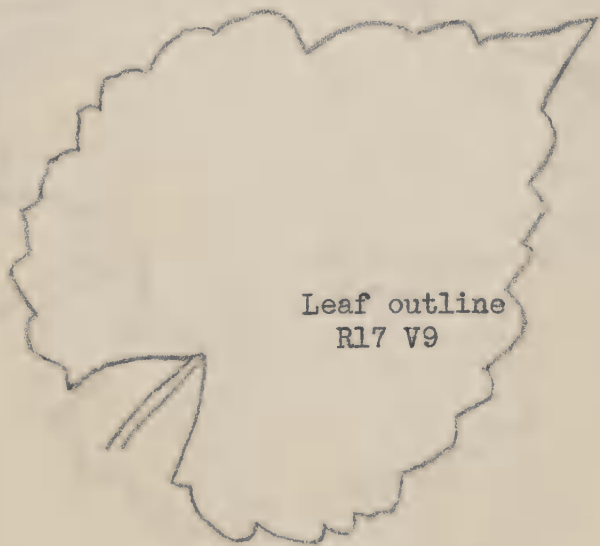
No name. Yellowish green grapes borne in moderate sized clusters. Heavy crop on vigorous vines. Peduncle fairly long. Berries speckled and striped with russet. Size, 15-18 mm. Pulp moderately tender, skin leathery and tough though not excessively thick. Rather persistent. Flavor not outstanding. Rather acid.. Seeds 1-4.

Row 17 Vine 5

"Lebama" from T. V. Munson. Very vigorous vine with heavy foliage. Heavy crop of purplish black fruit speckled and patched with russet. Clusters fairly loose on rather long peduncle. 8-10 berries per cluster. Skin tough but thin. Pulp fairly tender and sweet but there is a peculiar musky flavor. Persistent to a marked degree.



Leaf outline
R 17 V5



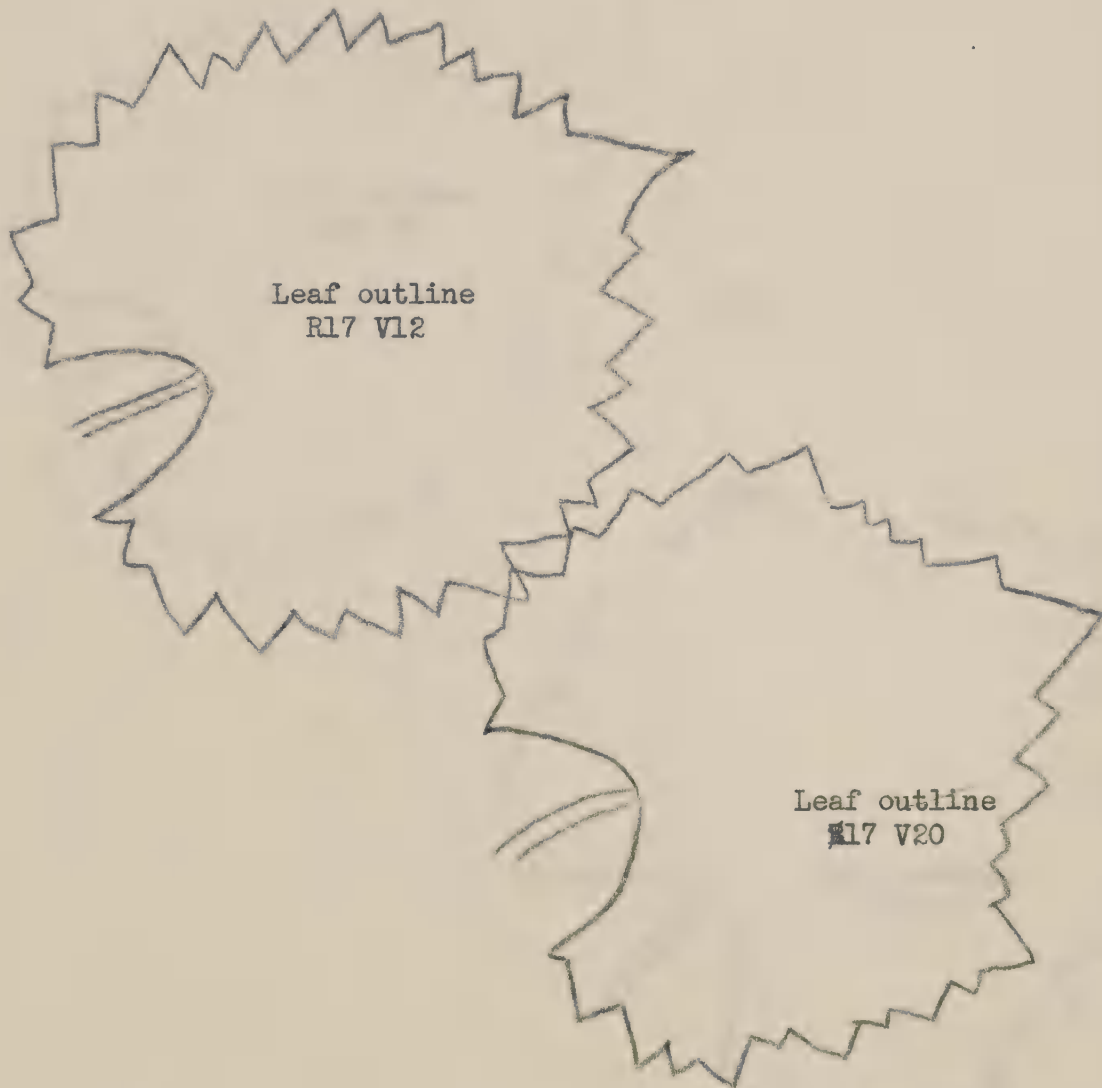
Leaf outline
R17 V9

Row 17 Vine 9

V4 R9 B2. Moderate growth, light foliage but heavy crop of well bunched fruit of purplish black color, dotted striped and mottled with russet. Clusters have 15-20 berries, 14-17 mm in diameter. Persistent. Pulp a little tough, rather acid, but flavor good. Seeds 3-4. Apparently a rather late grape.

Row 17 Vine 12

V39 R2 B2. Rather weak vine but a heavy cropper. Berries black or purplish black with russet spots and patches. Clusters contain 8-16 berries, 12 to 15 mm in diameter. Persistent. Pulp rather tender and juicy and reminds me of black cherry in flavor. Wouldn't be surprised if this proved to be a munsoniana hybrid. Rather a good grape.

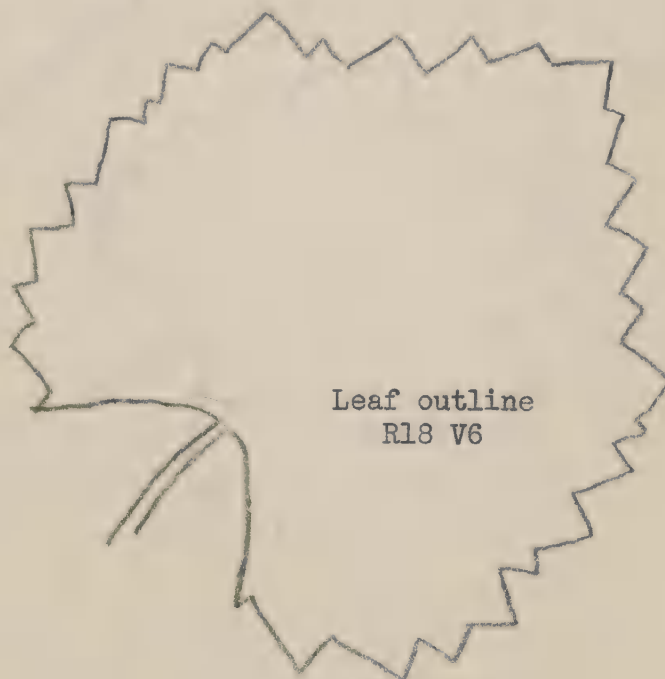
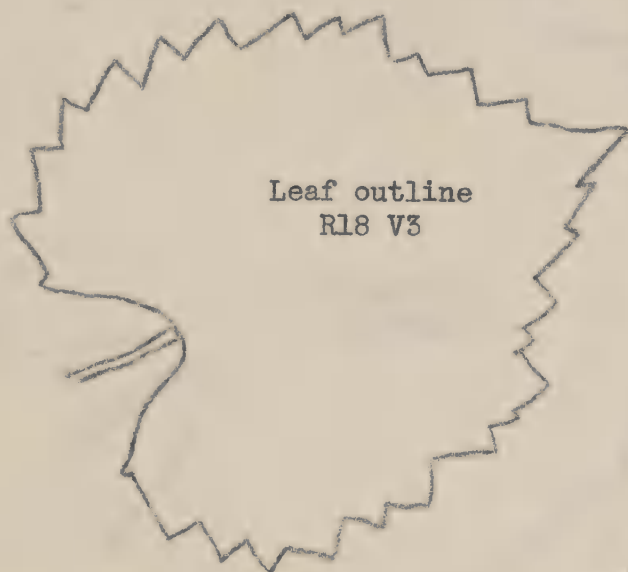


Row 17 Vine 20

V69 R7 B2. Vine of moderate vigor only and others of the same kind in the row killed out. Fruit in small clusters (3-5)berries. Color black with russet spots and splashes. Persistent. Skin thin. Pulp medium tender, a little acid but good flavor. Berries 12-15 mm in diameter. Rather like this grape.

Row 18 Vine 3

V48 R 9 B2. Vines of moderate vigor with light crop of fruit. Clusters small (4-6 berries) with fairly large berries of yellowish green or bronze color, 15-20 mm in diameter. Pulp rather soft, moderately sweet and of fair flavor. Persistent. Seeds 1-4.

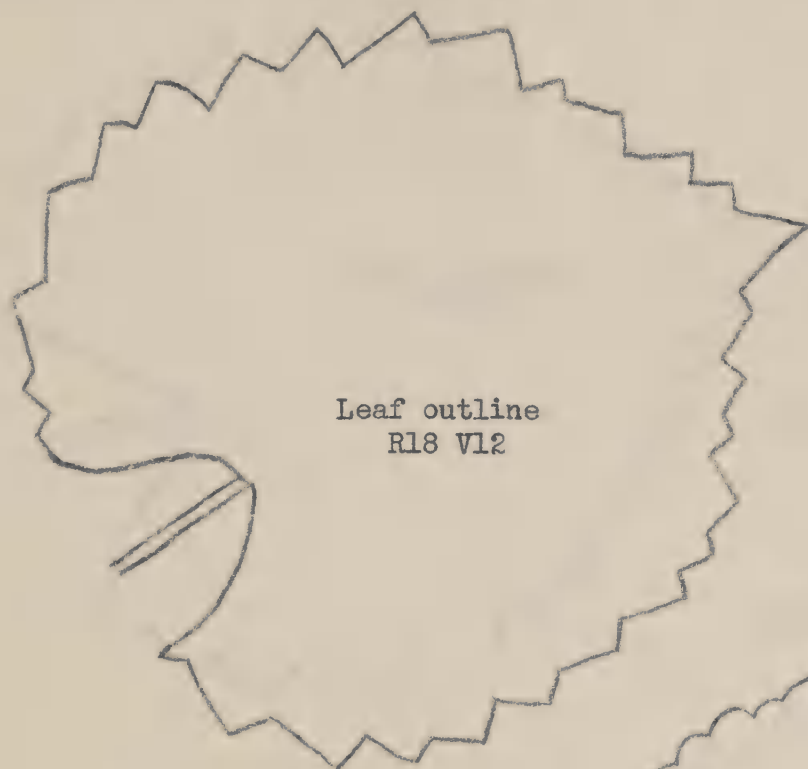


Row 18 Vine 6

Large muscadine from M. Folley. Vigorous vine bearing a fair crop of fruit. Grapes black, fairly large, purplish black in color. Clusters small on peduncles of moderate length. Berries 15-18 mm in diameter, fairly persistent. Skin tough. Pulp tough but fairly sweet. Flavor fairly good but pulp is too tough. Foliage scanty.

Row 18 Vine 12

V34 R5 B2. Fairly vigorous vine with light crop. Small clusters of greenish yellow or bronze grapes. Some red mottling. Pulp fairly tender but rather acid. Flavor not outstanding, but fair. Juicy. Shatters rather readily.

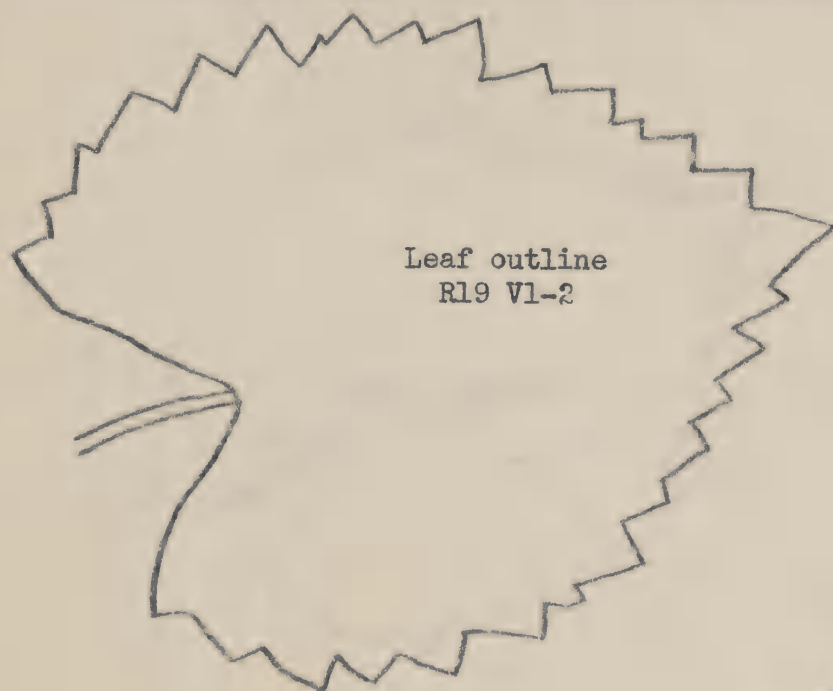


Row 18 Vine 20

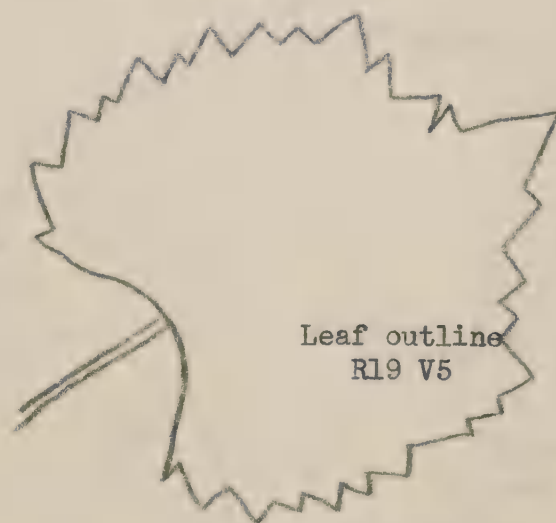
"Latham?". Vigorous young vine bearing considerable fruit in small clusters. Berries dark purple with russet spots and patches. Berries 18-20 mm in diameter, fairly persistent. Pulp tender, sweet and fine flavored. Skin tough but not too thick. Seeds 3-4. A fine grape but appears not to be very hardy as only one vine remains of the 7 planted. One of the best grapes for flavor.

Row 19 Vines 1-2

Scuppernong seedling from L. Jourden. Vines fairly vigorous with light crop of purplish black grapes with russet spots and patches. Clusters small, berries large (20-23 mm). Shatter. Pulp medium tender and fairly sweet. Rather acid and astringent. Not outstanding.



Leaf outline
R19 V1-2



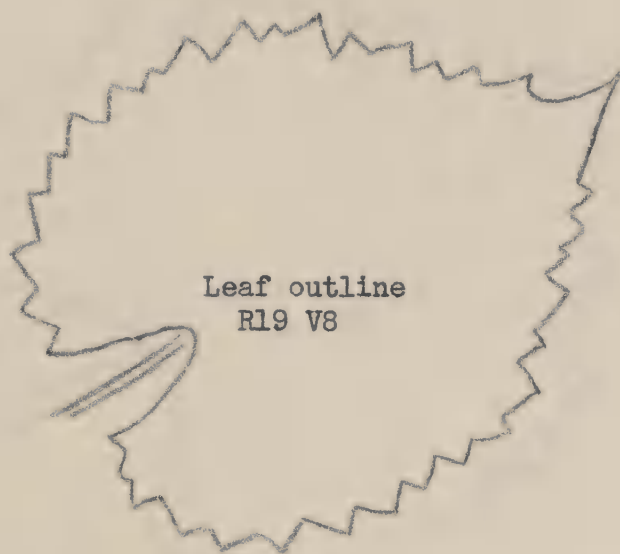
Leaf outline
R19 V5

Row 19 Vine 5

V19 R7 B2. Vine not very vigorous. Light crop of greenish yellow grapes borne in small to medium clusters. Berries spotted and striped with russet, 16-18 mm in diameter. Skin fairly tender and thin. Pulp tender in ripe berries. Flavor good. Much shrivelling and some shattering because of drought. Apparently a late variety.

Row 19 Vine 8

V6 R19 B3, nursery lot #23. Rather poor vine with small crop, 6-9 berries to the cluster, yellowish green with red mottling in mature berries. Berries more or less russeted, 15-18 mm in diameter. Pulp rather tender and sweet with considerable tannin present. Believe this would make a good grape under good conditions. Does not appear very hardy.

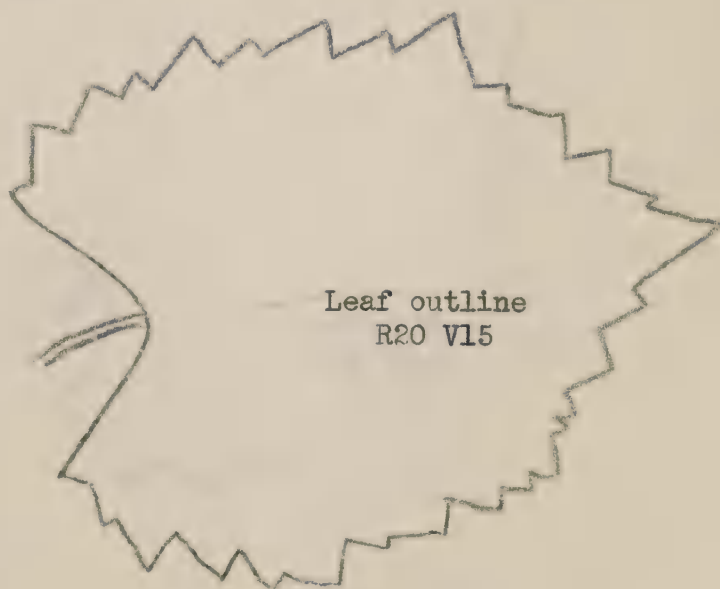
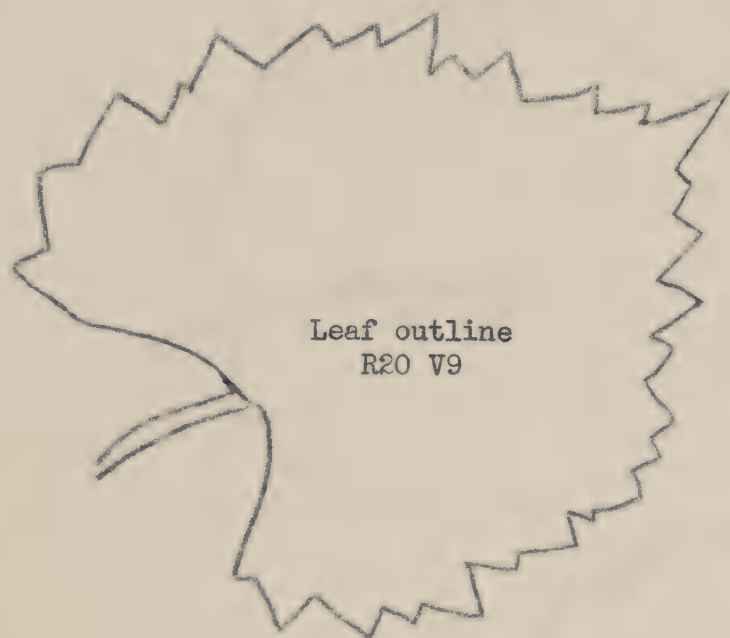


Row 19 Vine 12

Large "Scuppernong" from Glen St. Mary Nursery. Vine only moderately vigorous. Clusters small (1-8 berries), yellowish green to bronze. Some berries have a flush of purple. Russet specks and spots. Berries 16-20 mm in diameter. Pulp melting and sweet. Skin rather thick. Shatters somewhat but not badly.

Row 20 Vine 9

White rotundifolia from S. Johnson. Vine vigorous with heavy crop of yellowish green grapes borne in fair sized clusters. Berries speckled and patched with bronze. Skin fairly tough and thick but not exceedingly so. Pulp melting, rather acid but not bad. Flavor fair but not outstanding. Berries 16-20 mm in diameter.



Row 20 Vine 15

V21 R15 B2. Growth moderately vigorous, upright tendency. Plenty of foliage but sparing of fruit. Small clusters of purple-black grapes with patches of reddish bronze, making an attractive appearance. Berries 15-18 mm in diameter. Skin tough but not very thick. Pulp soft and sweet. Flavor excellent. Seems to be a favorite in the vineyard judging by the tracks under the vine. This is a good grape.

Row 20 Vine 19

"pride" from C. G. Sonntag. Moderate vigor only. Crop light. Clusters small. Berries yellowish green or bronze with russet specks and patches, 15-18 mm in diameter. Skin fairly tough and also the pulp, but of very fine flavor.

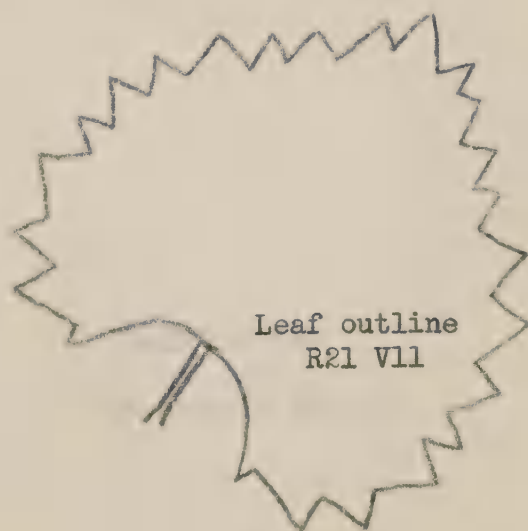


Row 21 Vines 1-5

V80 R3 B2 (Dearings "Kilgore"). Vines very vigorous with heavy crop of yellowish green or bronze fruit heavily tinged with purple. Cluster of medium size, apparently persistent. Berries 15-20 mm in diameter. Pulp very melting, seeds separate readily. Skin fairly tough but thin. Quality good. A heavy cropper.

Row 21 Vine 7

"Scuppernong" from J. W. Pinner. Vine fairly vigorous with good crop of large berries borne in medium sized clusters. Fruit yellowish green with russet spots and streaks. Some purple spots and purple mottling. Quite persistent. Pulp very melting, sweet and good flavor. Skin thin but tough. Seeds 2-4. Very fine grape, one of the best.

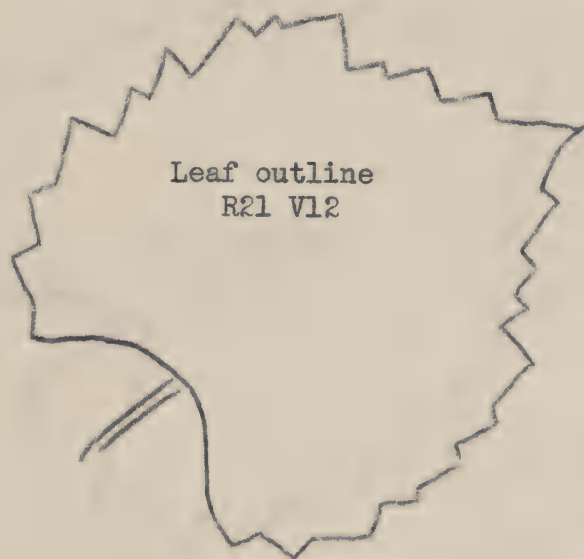


Row 21 Vine 11

Recorded as Staminate No. 55569 from L. O. Boober, but is a Munsoniana having perfect flowers. Vine vigorous, climbing habit. Compact bunches of purplish black berries, 20-30 to the cluster, 11 to 12 mm in diameter, with russet specks. Very acid, but flavor clean and good. Aerial roots extend along the laterals.

Row 21 Vine 12

V22 R15 B2, Willard, N. C. Only one of the original five vines have survived. This vine is moderately vigorous. Grapes borne in small clusters, deep purple in color with russet spots and splashes. Skin thin. Pulp sweet, fairly melting and good flavor. General quality good. Crop very light. Berries 14-16 mm in diameter. Quite persistent. Seeds 3-4.



Leaf outline
R21 V17
(No sample taken)

Row 21 Vine 17

V25 R5 B2. Vine vigorous. Fruit scanty and none available that was suitable for judging of quality. Fruit clusters small, berries greenish yellow - bronze. Berries badly affected by rot.

Row 22 Vine 2

"Pee Dee 5677". Moderate vigor, Heavy crop, thin foliage. Not doing very well. Fruit greenish yellow with russet specks and patches borne in moderate sized clusters. Skin thick and pulp rather tough. Berries 14-18 mm in diameter, persistent. There is not much to commend this grape, at least as indicated here.

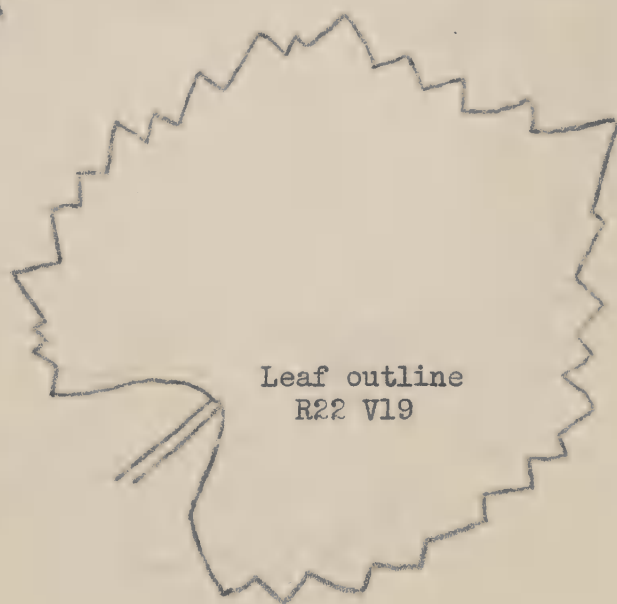
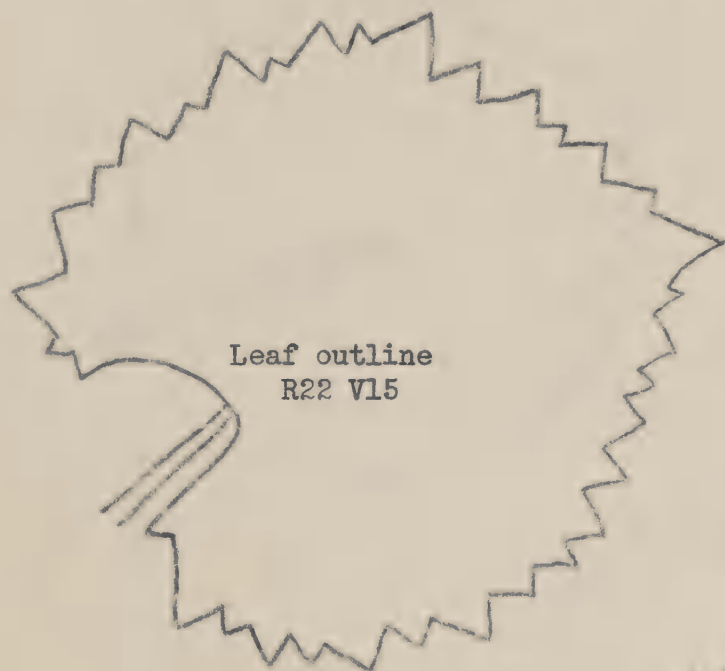


Row 22 Vine 7

V63 R11 B2. Moderately vigorous vine - winter killed to some extent. Small crop of yellow-green-bronze berries with red specks and red mottling. Berries borne in small clusters, rather persistent. Skin tough, pulp soft and fairly melting. Flavor fair when ripe.

Row 22 Vine 15

"Small white grape (Trans.by Lady James Nursery lots 42 and 43)!"
Moderate vigor but heavy crop of greenish yellow grapes taking on a purplish flush when ripe. Berries 12-15 in the cluster with fairly long peduncle, 14-16 mm in diameter. Skin thin, flesh moderately tender, rather acid but flavor not bad. Persistent. Some rot. Apparently fairly late.

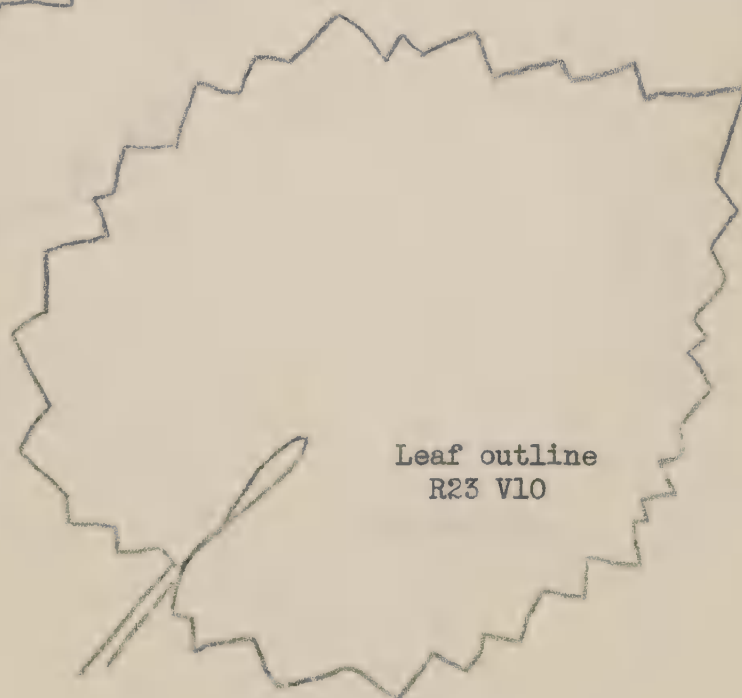
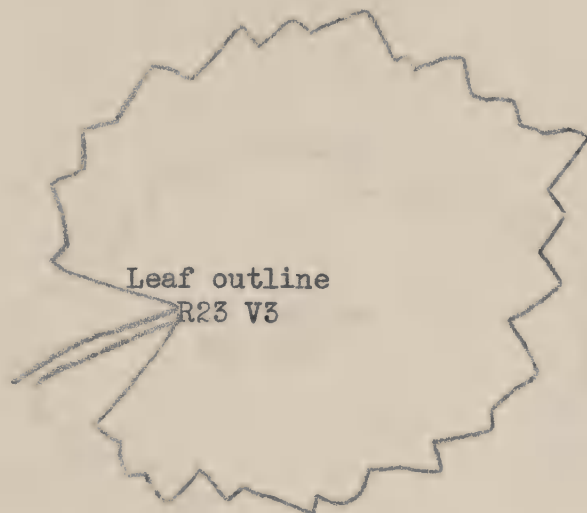


Row 22 Vine 19

"Peculiar" from B. F. Meekins. A very late green grape, or or greenish yellow grape, with pink flush when ripe. Spots and patches of russet. Pulp tough, quality poor. Seeds 3-4. Subject to rot. Point of attachment of flower remains as a spur or point on fruit.

Row 23 Vine 3

"Latham". Vine fairly vigorous bearing small clusters of purplish black grapes with russet purple spots. Apparently does not shatter badly. Skin thick and tough, pulp medium soft and fairly good in sweetness and flavor.



Row 23 Vine 10

V70 R1 B2. Rather upright bushy type of vine bearing clusters of deep purple - black grapes. Berries shiny and only little marked by russet. Skin thin. Pulp soft but very acid. Flavor not well developed, but fair and clean when ripe berry is found. Berries 12-16 mm. Bunches look striking on the vine, 10-20 berries in the cluster. (Would not be surprised to find this a cross between rotundifolia and Munsoniana.)

Row 23 Vine 14

"Hopkins". Fairly vigorous with small crop of purple-black grapes borne in small clusters. Berries round-oblong, 15-22 mm in diameter. Pulp fairly sweet and good flavored but acid and a little tough. Considerable russeting. Seeds 2-4.



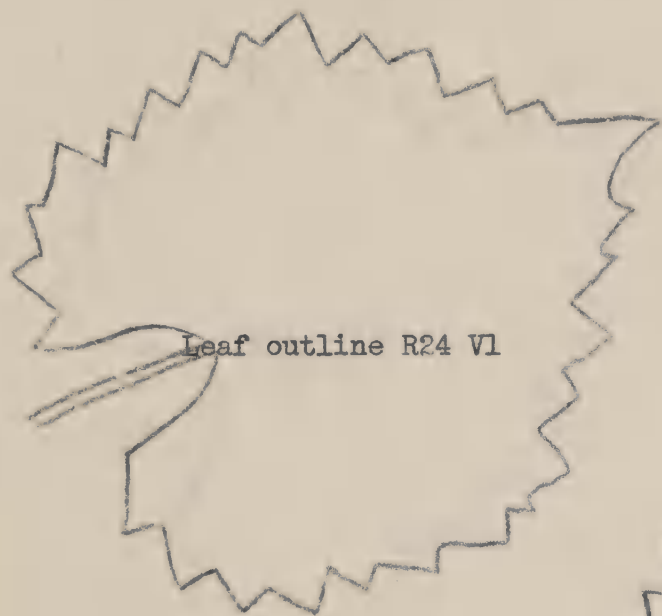
Leaf outline
R23 V21
(no sample)

Row 23 Vine 21

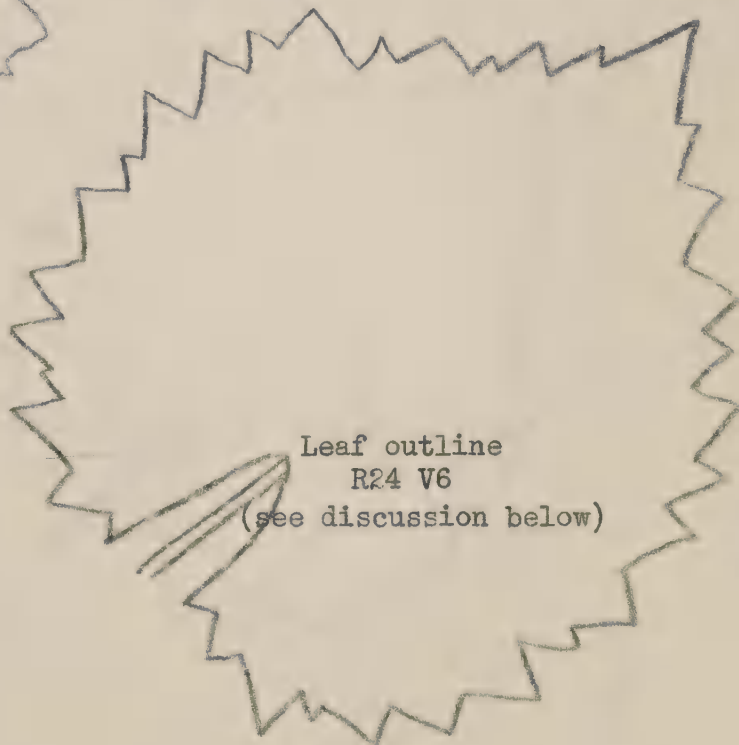
V54 R9 B2. This is a hybrid grape apparently with some Northern bunch grape or wild Aestevalis. Fruit all gone at this time.

Row 24 Vines 1-5 (vine 1)

Record says -"Brown" (Trans. by V4 R27 B4 nursery lots 925 and 2b." Very vigorous vines with fine foliage and a fair crop of purplish-black fruit borne in small to medium clusters. Berries average about 18mm in diameter, speckled with russet dots and patches. Skin fairly tough. Pulp moderately tender, fairly sweet and of fair flavor. Not outstanding in any particular except fine vigor of vine. Shatters.



Leaf outline R24 V1



Leaf outline
R24 V6
(see discussion below)

Row 24 Vine 6

"Tarkington (H. H.)". Vine of fair vigor having suffered somewhat from winterkilling, bearing small to medium clusters of dark purplish berries. Berries average about 16 mm in diameter. Mostly shattered off the vine. Nothing outstanding for quality. This seems to be an early grape that has largely gone by. Of fair flavor when in prime but pulp is rather tough. Seeds about 4. Some variation is noted in the basal sinuses of leaves, in some the edged overlap while in others the sinus is wide.

Row 25 Vine 2

Record states,—"Peculiar (possibly) Trans. by V36 R36 B4 nursery lots 928 and 2b". Vigorous vine with fair crop of yellowish-green - bronze berries borne in medium sized clusters. Peduncle long. Persistent. Skin fairly ~~tough~~ tender, fruit rather acid. Point of attachment of the flower remains as a spur or point. (Same noted in previous grape called "Peculiar". Nothing outstanding for quality. Berries 18-19 mm in diameter. Seed about 4.



Row 25 Vine 7

V27 R9 B2. Medium vigor only. Apparently rather late. Fruit in small clusters, yellowish green with russet spots and patches. Berries 17-19 mm in diameter. Rather strongly persistent. Mild in acidity and of fair flavor. Skin fairly thick and tough but not excessively so. Pulp medium tender. This may make a fair late grape.

Row 25 Vine 17

Record states "No name from E City (Trans. by V2 R39 B4 nursery lot 929)". Rather vigorous growth. Heavy crop of purplish-black berries with usual russeting. Clusters loose, berries 6-12. Berries 16-19mm in diameter. Pulp medium tender but flavor almost lacking. Tannin fairly high. seeds 406. Berries markedly persistent. This is a peculiar grape like nothing before tasted.



"Scuppernong" from Fan Training Vineyard. Vine very vigorous bearing good sized clusters of a yellowish green grape having russet spots and patches. Berries large - 19-22 mm. in diameter. Skin fairly tough and thick but pulp melting, sweet and fine flavored. Best all-round white grape.

"Thomas" from Fan Training Vineyard. Vine very vigorous, Grapes borne in clusters of 10 to 20 berries, purplish black in color. Fruit speckled and spotted with russet. Average size 15-16 mm. Skin rather tough and pulp medium tender. Flavor sweet and good. Seeds 2-4.



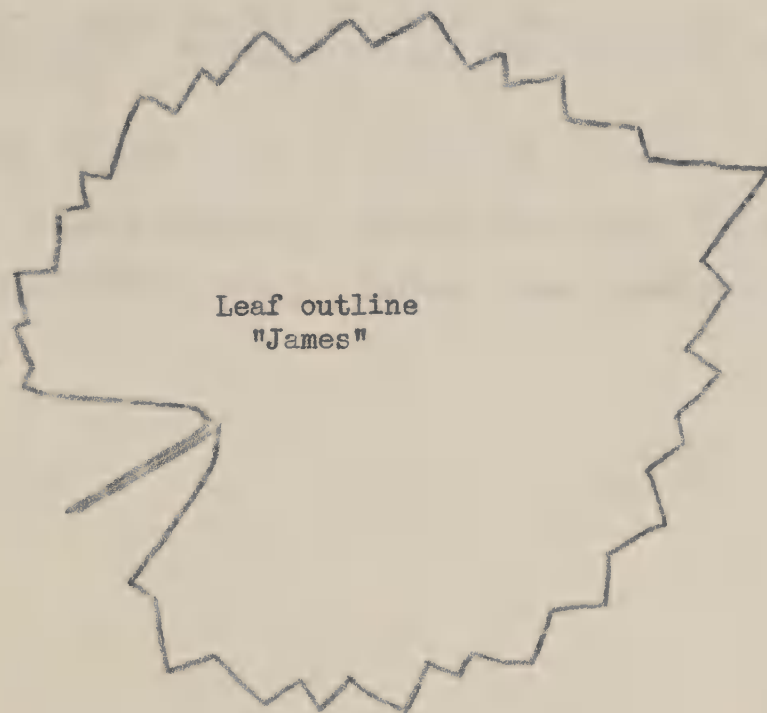
"Mish" from Fan Training Vineyard. Vine vigorous. Fruit borne in small clusters, deep purplish black in color with russet spots and patches. Berries 15-17 mm in diameter. Skin tender, pulp only moderately so. Fruit persistent. Seeds 2-4. Flavor good when prime. Sweet and spicy, but I would not class this grape as outstanding, from present observations.

"Flowers" from Fan Training Vineyard. Moderately vigorous but does not hold its foliage well. Berries borne in small to medium clusters, dark purple-black in color with russet spots and patches. Persistent. Berries a little oblong 17x19 - 18x20 mm. Peduncle long. A rather late grape. Skin tough, pulp somewhat tough also. Flavor fair when ripe. Seeds about 4.



"Eden" from Fan Training Vineyard. Vine vigorous. Fruit borne in small to medium clusters on fairly long peduncle. Berries 15-18 mm in diameter, purple-black in color with russet spots. Seeds 2-4. Persistent. Late. Fruit tested had moderately tender skin and rather tough pulp. Not outstanding in quality. Rather acid and plenty of tannin.

"James" from Fan Training Vineyard. Vine vigorous, bearing small to medium sized bunches of large purple-black grapes with russet spots and patches. Berries 18-22 mm in diameter. Skin moderately tough but rather thin. Flesh melting. Seeds about 4. A very fine flavored grape when in prime.



MUSCADINE
Vineyard Observations
Varietal Vineyard
Willard, No. Car.

ROW #1

September 22, 1937 (C.A.M.)

Vines 1-5, gone. #6, OK. #7, gone. #8, fair only. #9 gone. #10, OK.
#11, male vine. #s 12, 13 and 14, gone. #s 15-21, unknown or unrecorded
black variety

September 2, 1938 (C.A.M. and G.A.M.)

R1 V6 ("Sugar", probably). Foliage shows Black Rot and Cercospora damage

R1 V15-21 (Unknown black). Foliage shows Cercospora damage

ROW #2

September 22, 1937 (C.A.M.)

Vines 1-4 dead. #s 5, 6 and 7, poor. #s 8 and 9, dead, #10, poor. #12-14, black grape of mediocre quality. #s 15-21, Thomas, in good condition.

September 2, 1938 (C.A.M. and G.A.M.)

R2 V10. "Flowers Improved". Vine in poor physical condition. Cercospora and Black Rot on foliage and Bitter Rot on fruit.

R2 V14. Black grape from J. Chariett. Foliage clean but there was a little chlorosis.

R2 V21 "Thomas". Foliage clean with only a trace of Black Rot. A fine grape.

(R)

September 22, 1937. (C.A.M.)

Vines 1-5 in good condition. #6 dead. #s 7-10 in good condition. #s 12-19, (St Augustine) in good condition except #s 13 and 15 which are dead. #s 20 and 21 dead.

September 2, 1938 (C.A.M. and G.A.M.)

Vines 1-10 which are alive ("Memory") show Cercospora and some Black Rot on foliage and warts produced on fruit by the Black Rot fungus.

R3 V12 "St Augustine" shows Melanconium, Cercospora and chlorosis. A good crop.

R3 V19, a native rotundifolia grape, shows Melanconium

ROW #4

September 22, 1937 (C.A.M.)

Vines 1-10 all dead. #s 12-21 (new variety from Creswell, N. C., called "Creswell" by Mr. Dearing) an excellent grape in fine condition.

September 2, 1938 (C.A.M. and G.A.M.)

Creswell a good grape. Black Rot, chlorosis and some Cercospora noted in foliage.

September 22, 1937. (C.A.M.)

Vines 1-2, dead. #s 3-5 grape of fair quality. #s 6-10, dead. #s 12-21, all dead except #13 which is bearing a good grape, though not of outstanding quality.

September 2, 1938 (C.A.M. and G.A.M.)

Vines 3-5 (Seedling from G. W. Drawdy) bearing a big black grape. Foliage shows Cercospora and Black Rot injury.

Vine 13 "Faeiry". Vine is in poor condition but yielding heavily. Foliage shows Black Rot, chlorosis and Cercospora.

ROW #6

September 22, 1937 (C.A.M.)

Vines 1-10 (Black grape from J. W. Tarkington) in vigorous condition and quality of fruit good. #s 12-21 all gone except #s 17 and 21. #17 is a young vine and #21 is weak.

September 2, 1938 (C.A.M. and G.A.M.)

R6 V1-10 (Tarkington) Melanconium bad, Black Rot bad and some Cercospora

R6 V17 (James, original) shows chlorosis and Cercospora

ROW #7

September 22, 1937. (C.A.M.)

Vines 1-3 dead. #s 4-5 very small wild black grape. #s 7 and 10 dead. Those living - 6, 8 and 9 of good quality. #s 12-21 (Smith) heavy crop of good quality.

September 2, 1938 (C.A.M. and G.A.M.)

R7 V4-5 (looks like a Munsoniana) shows Melanconium

R7 V6-10 (V68 R14 B4) a very sweet, good grape. Vine shows pretty good foliage. Some Cercospora, Melanconium and a little Black Rot noted.

...
(C.A.M. and J.A.M.)

... (a mutant in) show melanocytism

... (A 34) a very good grape. Vine shows pretty good
Some characteristics, Melano and a little Black Rot note.

September 22, 1937 (C.A.M.)

Vines 1-5 (Beula) in good condition. Quality fair. #s 6-10 dead. #s 12-21 all dead (Luola) except #s 13, 14 and 20. Black Rot bad on fruit, and some Bitter Rot (Melanconium) also.

September 2, 1938 (C.A.M. and G.A.M.)

R8 V1-5 (Beula) a good grape but shows Black Rot and Cercospora on foliage and Black Rot and Melanconium on the fruit.

R8 V13 (Luola) Melanconium and Black Rot bad.

September 22, 1937 (C.A.M.)

Vines 1, 3, 5 and 7 only remaining of "George" - others dead. Quality fair.
Vines 12, 13, 17, 18, 19 and 20 dead. #s 14, 15, 16 and 21 (Wonder of World)
young vines. Quality good.

September 2, 1938 (C.A.M. and G.A.M.)

R9 V7 (George) Heavy crop. Good fruit. Black Rot and Melanconium pronounced,
some chlorosis and some Cercospora injury.

R9 V21 (Wonder of World). Vine young. Some chlorosis, Black Rot and Cercospora.

ROW #10

September 22, 1937 (C.A.M.)
#4362

Vines 1-10 (Munsoniana/from L. G. Boober) all dead. Vines 12-21 (Small muscadine from M. Folley) bearing fairly good grapes except #s 19 and 20 which are dead.

September 2, 1938 (C.A.M. and G.A.M.)

R10 V12 (Small muscadine from M. Folley) shows Cercospora, Black Rot and Melanconium.

ROW #11

September 22, 1937 (C.A.M.)

Vine #1 gone. #s 2-6 an elongated white grape of poor quality. #7 a small black grape of mediocre quality only. #8, like 2-6. #9 a black grape of small size and poor quality but with good crop and good clusters. #10 dead. Vines 12, 16, 17, 18 and 21 dead. #s 13, 14, 15, 19 and 20 (Wild grape) not worth keeping in my judgment.

September 2, 1938 (C.A.M. and G.A.M.)

R11 V5-6 (White grape) shows Cercospora, Melanconium and Black Rot.

R11 V19-20 (Black wild grape) shows Black Rot, Melanconium and Cercospora.

1881

1881

1881

1881

1881

1881

1881

September 22, 1937 (C.A.M.)

Vines 1-3 (V75 R11 B2, nursery lot 816) a good white grape. Should be kept. #s 4-5 dead. #s 6, 7 and 10 alive (recorded in Dearing's files as V19 R1 B2) showed #s 5 and 10 to be a good white grape, and #7 a good black grape. Identity of these, therefore, uncertain. #s 12-16 all dead. #s 17-20 (V19 R3 B2) all alive but #s 17 and 20. Quality fair only but this may be worth keeping for breeding purposes.

September 2, 1938 (C.A.M. and G.A.M.)

R12 V1 Shows Melanconium, Black Rot and Cercospora injury.

R12 V7 (V19 R1 B2) a black grape of excellent quality - in my judgment about the best grape in the vineyard. It shows considerable Cercospora damage and some Black Rot.

R12 V10 (White grape, probably V75 R11 B2) shows Melanconium, Chlorosis and Black Rot.

R12 V18 (V19 R3 B2) a small black grape, shows Melanconium and Black Rot.

... traps. Should be kept
... like as V12 80
... good black traps.
... dead. No 17-20
... only one trap was

... not and correct
... a black trap of excellent quality - in my judgment the
... in the wayward. It shows considerable damage
... traps, probably V12 80 (shows Maliciousness, California)

September 22, 1937 (C.A.M.)

Vines 1-5 (San Alba) all dead. Vines 6-10 (San Jacinto) Black grape with good clusters and should be saved. #s 12-21 (V47 R9 B2) a good white early grape. #13 almost dead, but others in good condition. Dont know about yields.

September 2, 1938 (C.A.M. and G.A.M.)

R13 V6-10 (San Jacinto) Heavy crop. Shows some Melanconium and Cercospora damage and a trace of Black Rot.

R13 V 12-20 ((V47 R9 B2) Large white grapes of fair quality. Black Rot damage is pronounced. There is a little chlorosis and a trace of Cercospora and Melanconium.

September 22, 1937 (C.A.M.)

Vines 1-5 (San Rubra), a good grape. Vines in good condition. #s 6-10 (San Monta) a small black grape in clusters, quality fair-good. Of the "Unknown" group in vines 12-21, #s 14, 15, 18, 19 and 21 are dead. #s 12, 13, 16, 17 and 20 are bearing a fair quality black grape. Vines rather weak - not outstanding.

September 2, 1938 (C.A.M. and G.A.M.)

R14 V1-5 (San Rubra) shows much Melanconium and some Black Rot and Cercospora injury.

R14 V6-10 (San Monta) Black Rot is pronounced. There is a little Cercospora and Melanconium injury.

R14 V12 (Unknown) is bearing a heavy crop. The fruit shows Black Rot on the surface of the berries and Melanconium is bad. Foliage shows chlorosis and Cercospora injury.

... (over) shows much melanism and some black feet and cercopithecids
... (over) Black feet is pronounced. There is a little cercopithecids
... (over) very young. The first shows Black feet on the
... (over) and melanism is not. Foliole shows all

ROW #15

September 22, 1937 (C.A.M.)

Vines 1-10 (Carolina Belle) fruit all gone with Bitter Rot (Melanconium). Vines vigorous except #s 6, 9 and 10 which are weak. Vine 11 is a typical Munsoniana - a male vine. #s 12-16 (Coloring) vines are vigorous bearing good clusters of good sized berries, quality good. Of the "Wild Pink" in positions 17-21 all are dead except #21. This is a very interesting, attractive, pink grape of small size but good clusters and a good crop. This may be valuable for breeding purposes.

September 2, 1938 (C.A.M. and G.A.M.)

R15 V1-10 (Carolina Belle) Melanconium bad - leaves brown and shedding rapidly - and considerable Black Rot and Cercospora. Cause of the browning and shedding of foliage uncertain.

R15 V11, a Munsoniana vine. There is a little chlorosis and a trace of Melanconium

R15 V16 (Coloring), a good grape. Foliage shows some chlorosis and Black Rot and Cercospora injury.

R15 V21 (Wild pink grape) Foliage clean. Red berries, small but distinctive.

September 22, 1937 (C.A.M.)

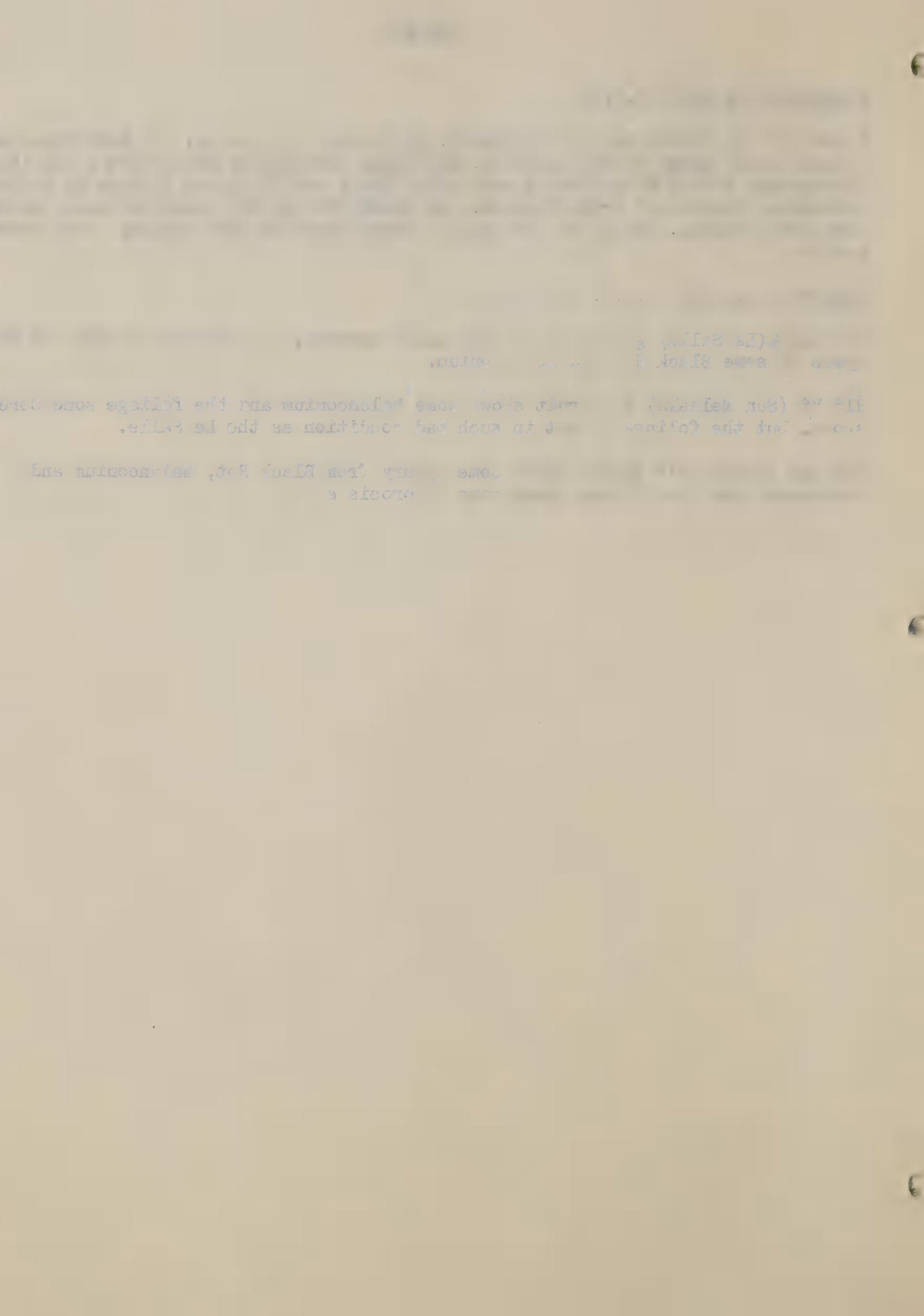
Vines 1-5 (La Salle) in good condition, good clusters - early. #s 6-10 (San Melaska) a small black grape of good quality, but badly affected by Bitter Rot. #s 12-14 (Thompson's White) Black Rot is bad on the fruit and the young foliage is badly affected. Quality of fruit is good. #s 15-16 (V17 R6 B2) grapes of poor quality - not worth keeping. #s 17-21 (No name) a white grape of poor quality - not worth keeping.

September 2, 1938 (C.A.M. and G.A.M.)

R16 V1-5 (La Salle) good crop of good sized berries. Cercospora is very bad and there is some Black Rot and Melanconium.

R16 V6 (San Melaska) the fruit shows some Melanconium and the foliage some Cercospora, but the foliage is not in such bad condition as the La Salle.

R16 V12 (Thompson's White) shows some injury from Black Rot, Melanconium and Cercospora and the foliage shows some chlorosis also.



September 22, 1937 (C.A.M.)

Vines 1-5 (Labama), a late black grape of good quality. #s 6, 7, 8, and 10 dead. #9 (V4 R9 B2) bearing itself to death - heavy crop of small black grapes - vegetative growth restricted. #s 12-16 (V39 R2 B2) all bearing heavily except #13 which is dead. A small black grape of good quality and good clusters. Should be kept for breeding purposes. #s 17-21 (V69 R7 B2) grape of fair quality - less productive than next preceding. Vines rather poor in vigor. #21 dead.

September 2, 1938 (C.A.M. and G.A.M.)

R17 V1-5 (Labama) Good crop of rather good grapes. There is some Melanconium Black Rot and Cercospora injury.

R17 V9 (V4 R9 B2) Not much good. Melanconium, Black Rot and Cercospora damage.

R17 V16 (V39 R2 B2) Nothing extra for a grape. Damaged by Melanconium, Black Rot and Cercospora

R17 V20 ((V69 R7 B2) Nothing extra for a grape. Some Black Rot and Cercospora and a little Melanconium.

productive

Photograph of a

ELI Vito (Lieber) is a cross of rather good grapes. There is some indication

of some Melanconium, Black Rot and Cercospora damage

thing exists for a grape. Damaged by Melanconium, Black R

thing exists for a grape. Some Black Rot and Cercospora

September 22, 1937 (C.A.M.)

Vines 1-5 (V48 R9 B2) gone by - early. #s 6-10 (large muscadine from M. Folley) poor quality. #8 is a small black grape that does not belong here. #s 12-14 (V34 R5 B2) quality poor. Of the Latham in positions #s 15-21 all are dead except #20.

September 2, 1938 (C.A.M. and G.A.M.)

R18 V1-5 (V48 R9 B2) a good white grape of fair quality. Some Cercospora and Black Rot and a trace of Melanconium

R18 V6-10 (Large muscadine from M. Folley). #s 6, 7 and 10 has Black Rot badly. Not much of a grape. #s 8-9 are apparently a different grape - small black - though size of fruit may be due to condition of vines which is poor. Foliage shows Cercospora and there is a trace of Melanconium on the fruit.

R18 V12-14 (V34 R5 B2) of mediocre quality only. Cercospora and Melanconium bad and some Black Rot.

R18 V20 (Latham) a fine grape. There is a little chlorosis and some Black Rot and Cercospora injury.

1-10 (large number of) ...
done not long here. ...
position ...

... from ...
... are apparently a different type - small black -
... as of ...
... and there is a trace of ...

... of ...
... only. ...

September 22, 1937 (C.A.M.)

Vines 1-2 (Scuppernong seedling) early black grape subject to Black Rot injury. #s 3, 4 and 5 (V19 R7 B2) white early grape of good quality. #6 dead. #s 7, 9 and 10 all dead. #8 (V6 R19 B3) has good quality. Should be kept. #s 12-16 supposed to be a large Scuppernong from Glen St. Mary nursery, shows here as a small white grape of mediocre quality. Vines not strong - is not characteristic of Scuppernong. #s 17-21 ((Thompson's White) a pinkish white grape of fair quality.

September 2, 1938 (C.A.M. and G.A.M.)

R19 V1-2 (Scuppernong seedling) Black Rot and Cercospora bad and some Melanconium.

R19 V3-5 (V19 R7 B2) a late white grape. Vines show Black Rot, some Cercospora and some chlorosis. Fruit shows some Melanconium.

R19 V8 (V6 R19 B3) not much of a grape. Cercospora bad. Some Melanconium and Black Rot.

R19 V16 (White Scuppernong from Glen St. Mary nursery) Flesh is tender. Vines show Black Rot, Cercospora and chlorosis.

R19 V17-21 (Thompson's White) Vines in poor condition. Cercospora and Black Rot on foliage and some Melanconium on fruit.

lack of info
about a report. The 19-10
very many, those were as
as not strong - is not clear
the White) a possible white report

Black Rot at Cereusaceae bed and some Melan-

pel. was shown Black Rot, some Cereus

These is needed.

With Vines in poor condition, Cereusaceae and Black

September 22, 1937 (C.A.M.)

Vines 1-10 (White rotundifolia from S. Johnson) Vines vigorous bearing white elongated grapes of poor quality. #11 a Munsoniana. #12 dead. #s 13-16 (V21 R15 B2) light crop but fruit of excellent quality. #s 17-21 (Pride) vines rather weak - quality mediocre.

September 2, 1938 (C.A.M. and G.A.M.)

R20 V1-10 (White rotundifolia) foliage on the whole looks pretty good. Heavy crop but quality not much. Some Cercospora and Melanconium and a little chlorosis.

R20 V11 a Munsoniana. A little Cercospora and some Melanconium. Heavy crop.

R20 V13-16 (V21 R15 B2) a very good grape. Some Cercospora, Melanconium and Black Rot.

R20 V17-21 (Pride) Vines rather weak, nearly defoliated. Black Rot bad and some Melanconium noted. Fruit naturally of good quality, apparently.

September 22, 1937 (C.A.M.)

Vines 1-5 (V80 R3 B2 - Dearing's "Kilgore") Bitter rot bad, foliage affected by Black Rot and shows chlorosis. Fruit very badly affected. #s 6-10 (Scuppernong from J. W. Pinner) this is not as good a grape as the usual Scuppernong met before. #11 a perfect flowered Munsoniana. #12 (V22 R15 B2 Willard N.C.) a good grape. #s 13-16 dead. #s 17-21 (V25 R5 B2) badly chlorotic. Bitter Rot (Melanconium) bad on #17. #18 dead and #19 nearly so.

September 2, 1938 (C.A.M. and G.A.M.)

R21 V1-5 (V80 R3 B2) (Dearing's "Kilgore") a heavy bearer. Melanconium bad. Black Rot noted, some Cercospora and some chlorosis.

R21 V6-10 (Scuppernong from Pinner) a good grape. Black Rot, chlorosis and Melanconium noted.

R21 V11 a Munsoniana with heavy crop of fruit. Melanconium and chlorosis noted and some Cercospora.

R21 V12 (V22 R15 B2 Willard N. C.) a fairly good grape. Chlorosis bad. Some Black Rot, Cercospora and Melanconium.

R21 V 20 and 21 (V25 R5 B2) Vines badly chlorotic. Little fruit - not much for quality but may be fair when ripe. Melanconium bad.

...a "lighter" ...
...a chlorate. ...
...is not a ...
...is (V) ...
...is (V) ...
...is (V) ...
...is (V) ...

...a heavy heater. ...
...is not some chlorate.

...a heavy crop of ...
...is (V) ...
...is (V) ...
...is (V) ...
...is (V) ...
...is (V) ...
...is (V) ...

September 22, 1937 (C.A.M.)

Vines 1-5 (Pee Dee 5677). #1 dead, #2 moderate vigor, #3 very weak, #4 dead and #5 very weak. Black Rot bad on fruit and foliage. Quality not outstanding. Vines 6-10 (V63 R11 B2), #6 dead, #7 of fair vigor, #8 dead, #9 weak and #10 dead. Only late green grapes were available for sampling. Vine #11 dead. Vine #12 (apparently Thomas) dead. #s 13-16 (Lady James) heavy crop of small berries but good clusters, quality not so much. Bitter Rot bad. #s 17-21 (Peculiar) vines weak, berries small white-pink in color of poor quality. Vine #20 dead.

September 2, 1938 (C.A.M. and G.A.M.)

R22 V2 (Pee Dee) Black Rot very bad on fruit and foliage also. Some Cercospora. Vine nearly defoliated.

R22 V7 (V63 R11 B2) Better than "Kilgore". Vines show chlorosis, Cercospora and some Black Rot. Melanconium also noted.

R22 V13 (Lady James) Black Rot and Chlorosis bad, and some Cercospora. Melanconium bad on fruit.

R22 V17,18,19 and 21 (Peculiar) Chlorosis bad and Black Rot and Melanconium both bad. Fruit attacked.

September 22, 1938 (C.A.M.)

Vines 1-5 (Latham) #s 1,2 and 5 dead. #3 a young vine badly affected with chlorosis and Black Rot. #4 is a small berried black wild grape which is out of place. Vines 6-10 (V70 R1 B2) a small black very acid grape with persistent berries. #s 6, 8 and 10 are badly chlorotic. #s 7 and 9 are dead. #11 dead. #12 not named, but no good anyway. #s 13 and 14 (Hopkins) of good quality but vines are weak and chlorotic. #s 15 and 16 not named and little is to be said for them. Vines 17-21 (V54 R9 B2)- all dead but #21 - is a white bunch grape of great vigor but poor quality. *(not a muscadine)*

September 2, 1938 (C.A.M. and G.A.M.)

R23 V3 (Latham) Chlorosis, Melanconium, Cercospora and Black Rot bad. Badly defoliated.

R23 V6-10 (V70 R1 B2) has good clusters of black grapes. There is some chlorosis and Black Rot and a little Melanconium.

R23 V13-14 (Hopkins) Quality mediocre. Chlorotic and some Black Rot.

R23 V16 (no name) has a heavy crop but chlorosis is bad and there is some Black rot and Melanconium.

R23 V21 (Bunch grape) shows Melanconium of berries.

September 22, 1937 (C.A.M.)

Vines 1-5 (V4 R27 B4 nursery lots 925 and 2b) very vigorous but fruit ruined by Bitter Rot. Quality fair. #s 4 and 5 dead. Vines 6-10 (Tarkington, H.H.) #s 6 and 8 a good quality small black grape. #s 7, 9 and 10 dead. Vines 12-16 (V28 R9 B2) dead. Vines 17-21 (V78 R9 B2) all dead.

September 2, 1938 (C.A.M. and G.A.M.)

R24 V1-3 (V4 R27 B4) heavy crop, foliage in pretty good condition. Little Black Rot but some Cercospora and some chlorosis.

R24 V6 and 8 (Tarkington), Black Rot bad and Melanconium very bad. Foliage brown and going fast.

September 22, 1937 (C.A.M.)

Vines 1-5 (V36 R36 B4), #s 1-2 white grape, fairly vigorous but not outstanding. Chlorosis and Bitter Rot bad. #3 dead. #s 4-5 moderate vigor with chlorosis and Blackrot on foliage and Black Rot on fruit. Vines 6-8 (#6 being V24 R32 B4 of nursery lot 926) (#s 7-8 being V27 R39 B2) all weak. Vines 9-10 dead. Vines 12-16 (New variety from T. H. Woodly) all dead. Vines 17-21 (~~No name, from E-City~~)-- V2 R39 B4 nursery lot 929) a good crop of fair quality grapes of medium sized berries. Vines weak.

September 2, 1938 (C.A.M. and G.A.M.)

R25 V1-5 (Dearing's "Morrison", otherwise, V36 R36 B4) shows chlorosis, Black Rot and Melanconium.

R25 V8 (V27 R9 B2) Melanconium bad. Some Cercospora and Black Rot.

R25 V17-21 (V2 R39 B4 nursery lot 929) Vines weak. Black Rot, Melanconium and Cercospora noted.

List of Muscadine Grape plants noted by C. A. M.
in the nursery row at Willard, N. C. 2/24/38
derived by layers from vines in the Varietal
Collection in Block 3, Willard, N. C. for
use in new varietal vineyard unit, 1939.

<u>Variety</u>	<u>No. of plants</u>
Flowers	20
Luola	36
James	16
Latham	10
Thomas	9
Scuppernong	12
Morrison	2
Stanford	2
Beaufort	4
Mish	3
Eden	3
V28 R2 B2	2
V21 R15 B2	2

MUSCADINE GRAPE INVESTIGATIONS

Record on Selections

BLOCK #4

At, Coastal Plain Station,
Willard, No. Car.
U. S. Hort. Station,
Beltsville, Maryland
and
Other points

*Selections made by C.A. Magoon and confirmed by
Mr. Charles Dearing*

MUSCADINE SEEDLING SELECTIONS

(Block #4)

Coastal Plain Station, Willard, No. Car.

The seedlings included in this and succeeding selection groups were the result of work on the breeding of rotundifolia grapes begun by Mr. E. F. Cole in 1907 and continued by Mr. Charles Dearing from 1911 onward to about 1916.

In September 1936 selections from the seedlings in Blocks Nos. 4 and 6 were made by C. A. Magoon and the selections confirmed by Mr. Dearing. Records were made at that time of the vine and fruit characteristics and of the parentage of the selections. At this time also directions were given for the layering of vines for propagation and arrangements made to have cuttings sent to the U. S. Horticultural Station at Beltsville, Md. for greenhouse propagation work there. Of this last the following is to be recorded:

Cuttings were received from Mr. Dearing on January 23, 1937, from Willard, N. C. in 3 boxes. They were inspected at the Station by Mr. Prince of the Inspection Service, on January 27 and passed for propagation. Greenhouse space having been supplied by Dr. Frank Gardner where controlled heat could be provided work was begun on January 28, 1937. Cuttings approximately 4 inches in length were prepared having 3 or more buds. The base cut was at the node, care being taken wherever possible to select medium-sized canes and those whose nodes were relatively short. These were put into the bed to a depth of approximately 3 inches leaving 1 bud exposed. After the center bed of greenhouse No. 9 had been filled with cuttings 2 bench units on the northwest side of the house were used. In these units the sand was not so deep and the cuttings were inserted only about 2 - 2½ inches.

Bed heat was regulated to approximately 70°F.

It was thought advisable to put cuttings also in greenhouse No. 7 where the beds had bottom heat from steam pipes but the sand temperature was not automatically regulated. The temperature of the greenhouse, manually controlled, averaged about 60°F.

Records made in the field on the various selections and on the cuttings and plants derived therefrom, and of plants secured at Willard, N. C. by layering are recorded in the following pages.

Plans for establishing a new test vineyard unit for further selection were made in cooperation with Mr. Dearing at Willard, N. C. on January 4, 1939.

Selection B4 (1)

Vineyard location, B4 R55 V14

Parentage: James x V29 R15 B4

Description: Black grape, vine vigorous, good clusters of persistent berries. Fine flavor. Good crop. (1936). Vine shows muscadine characteristics, stamens very short and recurved. Pollen sample taken. (1937) Some chlorosis, Isariopsis and Black Rot.

Propagation: 38 cuttings bedded 2/17/37 in greenhouse No. 9
50 ,, ,, ,, ,, ,, No.7

Cuttings lifted in greenhouse No. 9 on 5/7/37
20 no growth, 16 alive, 13 rooted, 3 calloused
Potted and put in greenhouse #7

Cuttings lifted in greenhouse No.7 on 5/10/37
46 no growth, 4 alive, 1 rooted, 3 callused
Potted and put in greenhouse No. 7 with others

Of the above potted plants 11 were found alive on 6/29/37
and were planted in lath house

Lifted from ground 11/24/37, 2 plants sent to Loomis at Meridian, Miss., January 1938, 7 plants sent to Dearing at Willard, N. C. (these bearing aluminum tag No. 3980), and 2 plants reserved for planting at Beltsville. Of these one was potted in a 6" pot and held in Darrow's greenhouse until spring, and the other was potted and held in GH No.7

Prepared field for muscadine plants on 6/27/38 and set plants in field, on 6/28/38

On February 24, 1938 at Willard, N. C. there were found 6 plants of this selection rooted at Beltsville and 33 plants derived from layers at Willard.

Selection B4 (3)

Vineyard location: B4 R55 V31

Parentage: Scuppernong x Louisiana

Description: Vigorous vine showing hybrid character in canes. Fruit borne in ~~good~~^{small} sized clusters but seedless and dropping from the vine before mature. Berries 3-6 mm. Disease resistant to a high degree.

Propagation: 15 cuttings bedded in greenhouse No. 9 on 2/16/37

Cuttings lifted 5/7/37.

6 no growth, 9 alive, 7 rooted and 2 callused. Potted

Of the above, 8 were found alive and planted from pots to lath house 6/28/37

Lifted from ground 11.24/37 and 4 plants sent to Loomis at Meridian, Miss., January 1938, 2 plants were put in 6" pots and held in G.H. #7 and 2 plants potted in 6" pots and stored in Darrow's cold house until spring

On 6/28/38 when plants were set in field only one plant was found alive. This was planted on that date.

On Feb. 24, 1938 there were noted at Willard, N. C. 4 plants derived by Mr. Dearing from layers.

Selection B4 (4)

Vineyard location: B4 R55 V33

Parentage: Scuppernong x Louisiana

Description: Very vigorous vine, the canes showing hybrid character.
Fruit borne in ~~good~~^{medium} sized clusters, but seedless and dropping from the vine before mature. Berries 3-6 mm
Some Isariopsis in 1937.

Propagation: 13 cuttings bedded in greenhouse No.9 on 2/16/37

Cuttings lifted 5/7/37

6 no growth, 7 alive, 6 rooted and 1 callused. Potted.

Of the above 6 were found alive and planted from pots to the lath house 6/28/37.

Lifted from the ground 11/24/37 and 3 plants sent to Loomis at Meridian, Miss. January 1938, and 3 potted in 6" pots, 2 of which were held in greenhouse No.7 and the other held in Darrow's cold house until spring .

On 6/28/38 when plants were set in the field at Beltsville only one plant was found alive, which was planted on that date.

On Feb. 24, 1938 at Willard, N. C. 7 plants of this selection were noted that were derived from layers.

Selection B4 (5)

Vineyard location: B4 R55 V41

Parentage: Scuppernong x Louisiana

Description: Very vigorous vine, the canes showing hybrid character.
Fruit clusters large and well formed having 35-50 berries
3 - 6 mm in diameter. Fruit seedless and dropping from
vine before mature. Some Isariopsis in 1937 but not bad.

Propagation: 37 cuttings bedded in greenhouse No. 9 on 2/16/37
8 ,, ,, ,, ,, No. 7 ,, ,,

~~Rooting record not made~~ 6 no growth, 31 alive, 23 rooted and 8 callused
lifted 4/23/37 G.H. No. 9.

Of the above, 18 from GH#9 and 2 from GH#7 were planted
from pots to the lath house on 6/28/37

Lifted from the ground 11/24/37 and 5 plants sent to Loomis
at Meridian, Miss., January 1938, 10 plants sent to
Dearing at Willard, N. C. January 1938 (aluminum tag No.
3989) and 4 plants were potted in 6" pots, 2 of which
were held in greenghouse #7 and the other two held in
Darrow's cold house until spring.

On 6/28/38 when plants were set in field only one plant
was found alive. This was planted.

On February 24, 1938 there were noted at Willard, N. C.
10 plants from Beltsville and 7 plants derived from
layers at Willard.

Selection B4 (7)

Vineyard location: B4 R56 V2

Parentage: James x V69 R18 B4

Description: White grape, good clusters of large berries. Texture good.
Stamens very short, recurved.. Fairly vigorous. Some chlorosis
and Black Rot in 1937.

Propagation: 37 Cuttings bedded in greenhouse No. 9 on 2/17/37
35 ,, ,, ,, ,, No. 7 on 2/17/37

Cuttings lifted in GH #9 on 5/7/37
22 no growth, 15 alive, 4 rooted and 5 callused
Potted and put in GH #7

Cuttings lifted in GH#7 on 5/10/37
29 no growth 6 alive, 1 rooted and 2 callused
Potted and put in GH#7 with others

Of the above, 11 were found alive on 6/28/37 and the plants
set in the lath house.

On 11/24/37, 8 plants were found alive and were lifted.
2 plants were sent to Loomis at Meridian, Miss. January 1938,
4 were sent to Dearing at Willard, N. C. (aluminum tag No.
3979) and 2 were potted in 6" pots, one of which was placed
in GH#7 and the other in Darrow's cold house until spring.

The above 2 plants set in field at Beltsville on 6/28/38

On Feb. 24, 1938 at Willard N. C. there were found 4 plants
of this selection rooted at Beltsville and 12 plants pre-
pared by layers at Willard.

Selection B4 (10)

Vineyard location: B4 R56 V19

Parentage: Thomas x V69 R18 B4

Description: Black grape. Vine vigorous, berries large and of good flavor. Stamens short, reflex. Considerable Cercospora and Black Rot in 1937.

Propagation: 36 cuttings bedded in greenhouse #9 on 2/17/37
52 ,, ,, ,, ,, #7 ,, ,,

Cuttings lifted from GH#9 on 5/7/37
8 no growth, 28 alive, 20 rooted and 2 callused
Potted on this date

Cuttings lifted from GH#7 on 5/10/37
44 no growth, 8 alive, 4 rooted and 1 callused
Potted on this date
 number

No record of ~~date~~ put into lath house. Date 6/28/37

On 11/24/37 21 plants were alive and were lifted. Of these, 17 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3978) and 2 were potted in 6" pots. Of these one was held in GH#7 and the other in Darrow's cold house until spring. The 2 plants intended for Loomis at Meridian, Miss. did not get sent.

The 2 Beltsville plants were set in the field on 6/28/38.

On Feb. 24, 1938 there were noted at Willard, N. C. 17 plants from Beltsville and 15 derived from layers at Willard.

Selection B4 (12)

Vineyard location: B4 R56 V30

Parentage: Thomas x V69 R18 B4

Description: Black grape. Vine vigorous, berries large and of good flavor
Stamens, medium reflex. Some chlorosis and Black Rot in 1937,
but not bad.

Propagation: 37 cuttings bedded in greenhouse #9 on 2/17/37
51 ,, ,, ,, ,, #7 ,, ,,

Cuttings lifted from GH#9 on 5/7/37
22 no growth, 15 alive, 4 rooted and 4 callused
Potted and put in GH#7 on this date

Cuttings lifted from GH#7 on 5/10/37
44 no growth, 7 alive, 2 rooted and 4 callused
Potted on this date

Of the above 12 were found alive on 6/29/37 and were
set in the lath house.

On 11/24/37, 12 plants were found alive and were lifted.
Two plants were sent to Loomis at Meridian, Miss. Jan. 1938,
8 were sent to Mr. Dearing at Willard, N. C. and 2 were
put into 6" pots at Beltsville. Of these, 1 was held in
GH#7 and the other in Darrow's cold house until spring.

The above two plants were set in the field at Beltsville
on 6/28/38.

On Feb. 24, 1938, at Willard, N. C., 8 plants were noted
from Beltsville, and 7 derived from layers at Willard.

24

Selection B4 (13)

Vineyard location: B4 R56 V32

Parentage: Thomas x V69 R18 B4

Description: Black grape. Vine vigorous, berries small but very sweet. Stamens long, upright. Foliage affected by Cercospora and Black Rot in 1937.

Propagation: 38 cuttings bedded in greenhouse #9 on 2/17/37
33 ,, ,, ,, ,, #7 ,, ,,

Cuttings lifted from GH#9 on 5/7/37
20 no growth, 18 alive, 5 rooted and 3 callused
Potted and put in GH#7 on this date

Cuttings lifted from GH #7 on 5/10/37
24 no growth, 9 alive, 4 rooted and 1 callused
Potted and placed with above on same date

Of the above 11 were found alive on 6/29/37 and were planted
in lath house.

On 11/24/37, 9 plants were found alive and were lifted.
2 plants were sent to Loomis at Meridian, Miss., 5 were sent
to Dearing at Willard, N. C. (aluminum tag No. 3976) and 2
were put into 6" pots at Beltsville, one of these held in
GH#7 and the other held in Darrow's cold house until spring.

The above 2 plants were set in the field at Beltsville on
6/28/38/.

On Feb. 24, 1938, at Willard, N. C. 6 plants were noted from
Beltsville of this selection, and 9 plants derived from layers
at Willard.

Selection B4 (18)

Vineyard location: B4 R56 V56

Parentage: Thomas x V69 R18 B4

Description: Black grape. Good clusters of large berries of good flavor. Stamens short, reflex. Good vigor of vine. Some Black Rot but not bad.

Propagation: 39 cuttings bedded in greenhouse No.9 on 2/17/37
35 ,, ,, ,, ,, No.7 ,, ,,

Cuttings lifted from GH#9 on 5/7/37
17 no growth, 22 alive, 13 rooted and 2 callused
Potted and put in GH#7 on this date

Cuttings lifted from GH#7 on 5/10/37
All plants dead.

Of the above 14 were found alive on 6/29/37 and were planted in lath house.

On 11/24/37, 14 plants were found alive and were lifted.
2 plants were sent to Loomis at Meridian, Miss., Jan. 1938, 10 were sent to Dearing at Willard, N. C. (aluminum tag No. 3975) and 2 were put into 6" pots at Beltsville. One of these was held in GH#7 and the other in Darrow's cold house until spring.

The above 2 plants set in field at Beltsville, on 6/28/38.

On Feb.24, 1938 at Willard, N. C. 10 plants of this selection were noted from Beltsville, and 9 derived from layers at Willard.

Selection B4 (19b)

Vineyard location: B4 R57 V10

Parentage: James x Winchell

Description: Vine showing muscadine characteristics, Stamens short, reflex.
No fruit observed, the vine being saved because of supposed
hybrid character. Black Rot rather bad and some Cercospora.

Propagation: 38 cuttings bedded in greenhouse No. 9, on 2/17/37
38 ,, ,, ,, ,, No. 7, ,, ,,

Cuttings lifted from GH#9 on 5/7/37
5 no growth, 33 alive, 26 rooted and none callused
Potted and put in GH#7 on this date.

Cuttings lifted from GH#7 on 5/10/37
32 no growth, 6 alive, 3 rooted and none callused
Potted and put with others.

Of the above, 27 plants were alive on 6/28/37 and were
planted in lath house.

On 11/24/37, 26 plants were found alive and lifted.
2 plants were sent to Loomis at Meridian, Miss. Jan. 1938,
22 were sent to Dearing at Willard, N. C. (and under aluminum
tag No. 3990) and 2 were potted in 6" pots, one of which was
held in GH#7 and the other in Darrow's cold house until spring.

The above 2 plants were set in the field at Beltsville
on 6/28/38.

On Feb. 24. 1938 at Willard, N. C. 21 plants of this selection
were noted from Beltsville, and 38 derived from layers at
Willard.

*Pollen analysis made by Dr Derman on 7/1/42 shows this not
to be a hybrid but a muscadine*

Selection B4 (20)

Vineyard location: B4 R57 V37

Parentage: Thomas x Goethe

Description: This vine showed hybrid characters and was saved for further study and perhaps use in breeding work. Vine weak.

Propagation: 26 cuttings bedded in Greenhouse No. 9 on 2/16/37

Cuttings lifted on 5/7/37

19 no growth, 7 alive, 5 rooted and 2 callused. Potted.

Of the above 5 were found alive on 6/28/37 and were set in ground in lath house

On 11/24/37 all 5 plants were found alive and were lifted. 3 plants were sent to Loomis at Meridian, Miss. Jan. 1938, and 2 were potted in 6" pots. One of these was held in greenhouse #7 and the other in Darrow's cold house until spring.

One of the above plants was set in the field on 6/28/38

On Feb. 24, at Willard, N. C. 6 plants of this selection were found from layers at Willard.

Selection B4 (20a)

Vineyard location: B4 R57 V49

Parentage: V17 R6 B2 x Catawba

Description: Vine of moderate vigor showing muscadine character. No flowers seen. Some Black Rot in 1937.
There may be some question of this being a real hybrid, but it is being kept for further study.

Propagation: 26 cuttings of this selection were bedded in GH#9 on 2/16/37

Cuttings lifted on 5/7/37

25 no growth, one alive. Potted

No plant of this was secured for further work as the one obtained did not root.

On Feb. 24, 1938 11 plants of this selection were noted at Willard, N. C. which were obtained from layers there.

Selection B4 (21)

Vineyard location: B4 R58 V5

Parentage: San Jacinto x Ives

Description: A vigorous vine showing hybrid characteristics. Stamens very short, reflex. Saved for possible value in breeding. Partially defoliated in 1937 by heavy Isariopsis infection.

Propagation: 36 cuttings bedded in GH#9 on 2/16/37
53 ,, ,, ,, GH#7 ,, ,,

Cuttings lifted from GH#9 on 5/7/37
9 no growth, 27 alive, 19 rooted and 5 callused. Potted and transferred to GH#7

Cuttings lifted from GH#7 on 5/10/37
32 no growth, 21 alive, 11 rooted and 4 callused. Potted and put with others.

Of the above 29 were found alive on 6/28/37 and were put into lath house.

On 11/24/37, 29 plants were found alive and were lifted.
5 plants were sent to Loomis at Meridian, Miss. Jan. 1938,
19 plants were sent to Mr. Dearing at Willard, N. C.
(aluminum tag No. 3991), and 2 plants were put into 6" pots and held in G.H.#7 until spring and two were potted and held in Darrow's cold house.

Of the above , 2 plants set in the field on 6/28/38

On Feb. 24, 1938 19 plants of this selection were noted at Willard, N. C. as coming from Beltsville, and 10 others obtained by Dearing from layers.

Selection B4 (21a)

Vineyard location: B4 R58 V22

Parentage: James x Winchell

Description: Vine shows muscadine characteristics. Stamens short, reflex.
Saved for possible use in breeding. Foliage affected in
1937 by various "spots", though not severely.

Propagation: 38 cuttings bedded in GH#9 on 2/16/37
37 ,, ,, ,, GH#7 on ,,

Cuttings lifted from GH#9 on 5/7/37
20 no growth, 18 alive, 14 rooted and 3 callused. Potted
and put in GH#7

Cuttings lifted from GH#7 on 5/10/37
14 no growth, 23 alive, 10 rooted and 3 callused. Potted
and placed with others.

Of the above 17 plants were put in the lath house on 6/28/37.
Other plants of this selection apparently were mixed with
Selection B4 (50) and were discarded.

On 11/24/37 15 plants were found alive and were lifted from
the lath house. 2 plants were sent to Loomis at Meridian,
Miss. Jan. 1938, 11 were sent to Dearing at Willard, N. C.
(aluminum tag No. 3992) and 2 were put into 6" pots. One
of these was held in GH#7 and the other held in Darrow's
cold house until spring.

2 plants set in field at Beltsville, 6/28/38

On Feb. 24, 1938 10 plants of this selection were noted at
Willard, N. C., as coming from Beltsville and 11 from layers
at Willard.

*Pollen analysis made by Dr. Derman on 7/1/42 shows this not to be
a hybrid but a muscadine*

Selection B4 (21b)

Vineyard location: B4 R58 V23

Parentage: James x Winchell

Description: Vine showed muscadine characteristics. Stamens medium reflex.
Saved for possible value in breeding. Foliage affected
somewhat in 1937 by various "spots".

Propagation: 38 cuttings bedded in GH#9 on 2/16/37
49 ,, ,, ,, GH#7 ,, ,,

Cuttings lifted from GH#(on 2/7/37
16 no growth, 22 alive, 15 rooted and 2 callused. Potted
and put in GH#7

Cuttings lifted from GH#7 on 5/10/37
18 no growth, 23 alive, 16 rooted and 3 callused. Potted
and put with others .

Of the above 31 were found alive on 6/28/37 and were put in
lath house.

31 plants were found alive on 11/24/37 and were lifted.
2 plants were sent to Loomis at Meridian, Miss. Jan. 1938,
27 were sent to Dearing at Willard, N. C. (aluminum tag No.
3993) and 2 were potted in 6" pots, one placed in GH#7 and
the other in Darrow's cold house until spring.

The above 2 plants set in field at Beltsville, 6/28/38

On Feb. 24, 1938 at Willard, N. C. 25 plants sent from
Beltsville were noted and 24 from layers obtained at Willard.

*Pollen analysis made by Dr Dermen on 7/1/42 shows this not
to be a hybrid but a muscadine*

Selection B4 (22)

Vineyard location: B4 R58 V20

Parentage: San Alba x Semillon

Description: A fine vine, vigorous and with good foliage showing muscadine characteristics. Good clusters of good sized berries having melting flesh and fine quality. Stamens short, reflex.

Propagation: 34 cuttings bedded in GH#9 on 2/16/37
49 ,, ,, ,, GH#7 ,, ,,

Cuttings lifted from GH#9 on 5/7/37
22 no growth, 11 alive, 6 rooted and 2 callused. Potted and put in GH#7

Cuttings lifted from GH#7 on 5/10/37
25 no growth, 24 alive, 14 rooted and 1 callused. Potted and put with others.

Of the above, 10 were found alive on 6/28/37 and were put in lath house.

9 plants of this selection were found alive on 11/24/37 and were lifted. 2 plants were sent to Loomis at Meridian, Miss. Jan. 1938, 5 were sent to Dearing at Willard, N. C. (aluminum tag No. 3994) and 2 were put into 6" pots. One of these held in GH#7 and one in Darrow's cold house until spring.

2 above plants set in field at Beltsville, 6/28/38

On Feb. 24, 1938 at Willard, N. C. 4 plants of this selection from Beltsville were noted and 10 obtained by Dearing from layers.

Selection B4 (22a)

Vineyard location: B4 R58 V60

Parentage: San Jacinto x Ives

Description: Vine rather weak. Saved for further observation and possible breeding work. Some Cercospora in 1937.

Propagation: 42 cuttings bedded in Greenhouse No. 9 2/16/37
23 ,, ,, ,, ,, No. 7 ,,

Cuttings lifted 5/7/37 from GH No.9

22 no growth, 20 alive, 4 rooted and 2 callused. Potted and transferred to GH No.7

Cuttings lifted from GH No. 7 on 5/10/37

5 no growth, 18 alive, 4 rooted and 2 callused. Potted and placed with the others.

Of the above 8 were alive on 6/28/37 and were planted in lath house.

On 11/24/37 8 plants were found alive and lifted. 2 plants were sent to Loomis at the U.S.Hort.Field Sta. at Meridian, Miss., 4 were sent to Mr. Dearing at the Coastal Plain Station at Willard, N. C. (aluminum tag No. 3995) and 2 were potted in 6" pots. One of these was held in G.H. No.7 and the other put into Darrow's cold house until spring.

On 6/28/38 one of these plants was alive and was planted in the field at Beltsville.

On Feb.24, 1938 at Willard, N. C. 4 plants sent from Beltsville and 8 plants derived from layers at Willard were noted in the nursery row.

Selection B4 (22b)

Vineyard location: B4 R58 V59

Parentage: V17 R6 B2 x Catawba

Description: Vigorous vine showing muscadine character. Saved for further observation and possible use in breeding. Some Cercospora in 1937.

Propagation: 31 cuttings bedded in Greenhouse No. 9 on 2/16/37

Cuttings lifted from GH No. 9 on 5/7/37
26 no growth, 5 alive, 1 rooted and 2 callused. Potted.

Of the above 3 plants were found alive on 6/28/37 and were planted in the lath house.

On 11/24/37, 2 plants were found alive and lifted. Put into 6" pots and one placed in GH No. 7 and the other in Darrow's cold house until spring.

The above 2 plants were planted in the field at Beltsville on 6/28/38.

On Feb. 24, 1938 at Willard, N. C. 4 plants of this selection derived from layers at Willard were noted in the nursery row there.

Pollen analysis made by Dr Derrman on 7/1/42 shows this not to be a hybrid but a muscadine

Selection B4 (22c)

Vineyard location: B4 R58 V58

Parentage: V17 R6 B2 x Catawba

Description: Vine of moderate vigor showing muscadine characteristics.
Stamens short, reflex. Some Cercospora in 1937.

Propagation: 41 cuttings bedded in Greenhouse No. 9 on 2/16/37
40 ,, ,, ,, ,, No. 7 on ,,

Cuttings lifted from GH No. 9 on 5/7/37
20 no growth, 21 alive, 3 rooted and 4 callused. Potted
and placed in GH No. 7

Cuttings lifted from GH No. 7 on 5/10/37
21 no growth, 19 alive, 4 rooted and 4 callused. Potted
and placed with others.

Of the above 12 plants were alive on 6/28/37 and were planted
in the lath house.

On 11/24/37, 10 plants were found alive and were lifted.
2 plants were sent to Loomis at the U.S. Hort. Sta. at
Meridian, Miss., 6 were sent to Mr. Dearing at Willard, N.C.
and 2 were put into 6" pots. (Aluminum tag No. on the plants
sent to Dearing was 3996) Of those held at Beltsville
one was held in GH No. 7 and was put into Darrow's cold house
until spring.

On 6/28/38 the above two plants were set in the field at
Beltsville.

On Feb. 24, 1938 at Willard, N. C. 6 plants of this selection
rooted at Beltsville, and 4 derived from layers at Willard
were noted there in the nursery row.

*Pollen analysis made by Dr. Dermen on 7/1/42 shows this not
to be a hybrid but a muscadine*

Selection B4 (23)

Vineyard location: B4 R58 V61

Parentage: San Jacinto x Ives

Description: Vine fairly vigorous and showing hybrid characteristics. No flowers seen. Saved for further study and possible use in breeding. Badly defoliated in 1937 by Isariopsis.

Propagation: 35 cuttings bedded in Greenhouse No. 9 2/16/37
31 ,, ,, ,, ,, No. 7 ,,

Cuttings lifted from GH No. 9 on 5/7/37

18 no growth, 17 alive, 16 rooted and 1 callused. Potted and placed in GH No. 7

Cuttings lifted from GH No. 7 on 5/10/37

10 no growth, 21 alive, 10 rooted and 4 callused. Potted and placed with others in GH No. 7.

On 6/28/37, 31 plants of the above were found alive and were set out in the lath house.

Lifted from lath house on 11/24/27 when 21 plants were found alive. 5 plants were sent to Mr. Loomis at the U.S. Hort. Sta. at Meridian, Miss., 11 were sent to Mr. Dearing at Willard, N. C. ~~and~~ (aluminum tag No. 3997) and 4 plants were put into 6" pots. Two of these were held in GH No. 7 and the others were held in Darrow's cold house until spring.

Of the above, one was dead and one very weak in the cold house and only one was alive in GH No. 7 when time came to set in the field at Beltsville. I plant set in field 6/28/38.

On Feb. 24, 1938 at Willard, N. C. 11 plants were noted from rootings sent from Beltsville, and 5 from layers made at Willard.

Selection B4 (24)

Vineyard location: B4 R58 V66

Parentage: Labama x Brilliant

Description: Vine fairly vigorous and showing hybrid characteristics.
No flowers seen. Badly defoliated in 1937 by Isariopsis.

Propagation: 32 cuttings bedded in Greenhouse No. 9 on 2/16/37
32 ,, ,, ,, ,, No. 7 ,, ,,

Cuttings lifted from Greenhouse No. 9 on 5/7/37
14 no growth, 18 alive, 11 rooted and 6 callused. Potted
and placed in GH No. 7

Cuttings lifted from GH No 7 on 5/10/37
12 no growth, 20 alive, 17 rooted. Potted and placed with others

Of the above, 29 were found alive on 6/28/37 and were set
out in the lath house.

On 11/24/37, 29 plants were found alive and were lifted..
5 plants were sent to Loomis at Meridian, Miss. Jan. 1938
19 were sent to Dearing at Willard, N. C., and 5 were put
into 6" pots. Two of these were held in GH No. 7 and 3
in Darrow's cold house until spring.

On 6/28/38 one plant only was sufficiently strong to plant in
the field, which was done on that date.

At Willard, N. C. on Feb. 24, 1938, 16 plants from Beltsville
and 3 plants derived from layers at Willard were noted in
the nursery row.

Selection B4 (25)

Vineyard location: B4 R58 V67

Parentage: Labama x Brilliant

Description: Vine vigorous and showing hybrid character. No flowers observed. Badly defoliated by Isariopsis.

Propagation: 39 cuttings bedded in G.H. No. 9 on 2/16/37
26 ,, ,, ,, G.H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 5/7/37
15 no growth, 24 alive, 15 rooted and 7 callused. Potted and put in G. H. No. 7.

Cuttings lifted from G. H. No. 7 on 5/10/37
13 no growth, 13 alive, 5 rooted and 5 callused. Potted and put with others.

Of the above 26 were found alive on 6/28/37 and were set out in the lath house.

On Nov. 24, 37 26 plants were found alive and were lifted. 5 plants were sent to Loomis at Meridian, Miss. Jan. 1938, 16 were sent to Mr. Dearing at Willard, N. C. on 1/15/38 (tag No. 3999), and 5 were potted in 6" pots. Two of these were placed in G.H.No. 7 and 3 were put in Darrow's cold house for wintering.

On June 28, 1938 2 plants were selected from the survivors and planted in the vineyard.

At Willard, N. C. on Feb. 24, 1938, 16 plants were noted in the nursery row from those shipped from Beltsville, and 7 of plants derived from layers at Willard.

Selection B4 (26)

Vineyard location: B4 R59 V37

Parentage: Thomas x Key Grape (Black Morocco)

Description: Vine rather weak but foliage has good color. Wood and foliage shows hybrid character. No flowers seen.

Propagation: 15 cuttings bedded in G. H. No. 9 on 2/16/37.

Cuttings lifted on 5/7/37. 8 showed no growth, 7 alive, 5 rooted and 2 callused. Potted and put in G. H. No. 7

On 6/28/37 6 plants were found alive and planted in lath house.

On 11/24/37 5 plants were found alive and were lifted. Two were sent to Mr. Loomis at Meridian, Miss. and the other 2 were potted in 6" pots. One of the latter was put into G.H.No. 7 and the other into Darrow's cold house for wintering.

On 6/28/38 the plant in Darrow's cold house was found to be dead, and that in G.H. No. 7 ~~also did not survive~~ *and was planted in field 6/28/38*

On Feb. 24/38 at Willard, N. C., 4 plants of this selection were noted that had been derived from layers at Willard.

Selection B4 (26 A)

Vineyard location: B4 R59 V59

Parentage: George x Goolabie

Description: Vigorous vine showing muscadine characters. Stamens short and reflex. Pollen sample taken. Later observations (Sept. 1937) showed considerable chlorosis and Cercospora infection and some Black Rot.

Propagation: 40 cuttings bedded in G. H. No. 9 on 2/16/37
52 ,, ,, ,, ,, No. 7 ,, ,,

Cuttings lifted from G.H.No.9 On 5/7/37

14 no growth, 26 alive, 14 rooted 5 callused. Potted and put in G. H. No. 7.

Cuttings lifted from G.H. No. 7 on 5/10/37

19 no growth, 33 alive, 17 rooted and 6 callused.

On 6/28/37, 26 of the above plants were found alive and were planted in lath house.

On 11/24/37 of the above 24 plants were found alive. Of these 2 were sent to Mr. Loomis at Meridian, Miss. Jan. 1938. 22 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No.4000), and 2 were put into 6" pots. One of these was put in G.H.No.7 and the other in Darrow's cold house for wintering. ~~Neither of these survived. That in GH#7 survived and was planted in the field 6/28/38~~

On 2/24/38 of those sent to Mr. Dearing 15 were noted in the nursery row, and 21 derived from layers at Willard.

Pollen analysis made by Dr Derman on 7/42 shows this not to be a hybrid but a muscadine

Selection B4 (27)

Vineyard location: B4 R60 V14

Parentage : San Alba x Terret Moustre(a white Malaga)

Description: Vine of fair vigor and showing hybrid characters. No flowers observed. Showed some black rot, Sept. 1937.

Propagation: 15 cuttings bedded in G.H.No. 9 on 2/16/37

Cuttings lifted on 5/7/37. 5 showed no growth, 10 alive, 9 rooted, 1 callused. Potted and put in G.H.No.7

On 6/29/37 the above 10 plants were planted in lath house.

(Apparently some mistake was made in the labelling of these plants as on 11/24/37 when the plants were lifted record was made of 13 plants being alive and lifted. Of these 5 were sent to Mr. Loomis at Meridian, Miss.in January 1938, 3 were sent to Mr. Dearing at Willard, N. C. and 4 were put into 6" pots. Of the latter 2 were put into G.H.No. 7 and 2 into Darrow's cold house for wintering.)

On 6/28/38 two plants of this selection set in the vineyard.

At Willard, N. C. on 2/24/38 the 3 plants of this selection sent from Beltsville were noted, and 10 plants derived from layers at Willard.

Selection B4 (28)

Vineyard location: B4 R60 V38

Parentage: San Jacinto x Terre Moustre (a white Malaga)

Description: Vine shows hybrid character - not very strong. No flowers observed. In Sept. 1937 showed some infection from Black Rot and Isariopsis.

Propagation: 7 cuttings bedded in G. H. No. 9 on 2/16/37

Cuttings lifted on 5/7/37. All 7 plants alive and rooted

(On 6/29/37 there were planted in the lath house 16 plants under the label B4 (28). Obviously some mix up with another selection was made. On 11/24/37, 11 plants were lifted of this lot. 3 were sent to Mr. Loomis at Meridian, Miss. in January, 1938, 5 were sent to Mr. Dearing at Willard, N.C. (aluminum tag No 3987- possibly reversed with No. 3988 of B4 (27), and 3 potted in 6" pots. Two of these were set in G.H. No. 7 and the other in Darrow's cold house for wintering. One of these was set in the vineyard 6/28/38. At Willard, N.C. on 2/24/38, 5 plants of this label were noted in the nursery row as coming from Beltsville, and 3 derived from layers at Willard.).

The plants set in vineyard at Beltsville showed no hybrid character in vine or foliage, and pollen analysis made by Dr. Dermen on 7/1/42 showed it not to be a hybrid but a Muscadine

Selection B4 (29)

Vineyard location: B4 R60 V45

Parentage: V16 R6 B2 x (?) - (no pollination number recorded)

Description: Late white grape of good sized berries in good clusters.
Vine vigorous, stamens medium reflex, pollen sampled.
flavor of fruit good. In September, 1937, some chlorosis
and Black rot was noted.

Propagation: 39 cuttings bedded in G.H. No. 9 on 2/17/37
39 ,, ,, ,, G.H. No. 7 ,, ,,

Cuttings in G.H.No. 9 lifted 5/7/39

32 no growth, 7 alive, 4 rooted and 1 callused. Potted
and placed in G.H.No. 7.

Cuttings in G.H. No.7 lifted 5/10/39

36 no growth, 3 alive, 1 rooted and 1 callused. Potted
and placed with others.

Of the above 6 plants were put in the lath house about
6/30/37

On 11/24/37, 6 plants were lifted, 2 were sent to Mr. Loomis
at Meridian, Miss., January 1938, 2 were sent to Mr.
Dearing at Willard, N. C. (aluminum tag No. 3974) and 2
were put into 6" pots. One of these held in G.H.No. 7
and one in Darrow's cold house during winter.

On 6/28/38, two plants were set in the field at Beltsville.

At Willard, N. C. on 2/24/38, 2 plants sent were noted in
the nursery row and 8 derived from layers at Willard.

Selection B4 (30 A)

Vineyard location: B4 R60 V53

Parentage: V16 R6 B2 x Campbell's Early

Description: A fairly vigorous vine showing muscadine characters, stamens medium upright, pollen sample taken. A black grape of promise. Observation of September 1937 showed Black Rot infection bad.

Propagation: 38 cuttings bedded in G.H. No. 9 on 2/17/37
43 ,, ,, ,, G.H. No. 7 ,, ,,

Cuttings lifted in G?H? No. 9 on 5/7/37

22 no growth, 16 alive, 2 rooted and 7 callused. Potted and placed in G. H. No. 7

Cuttings lifted in G. H. No. 7 on 5/10/37

32 no growth, 11 alive, 1 rooted and 6 callused. Potted and placed with others.

Of the above, on 6/29/37, 11 plants were set in the lath house.

On 11/24/37, 9 plants were found alive and lifted. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. in January 1938, 5 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3985), and 2 were potted in 6" pots. One of these held in G.H. No. 7 and the other in Darrow's cold house over the winter.

The above 2 plants set in vineyard on 6/28/38

On 2/24/38 at Willard, N. C. 5 plants of this selection were noted in the nursery row and 13 from layers at Willard.

Selection B4 (30 B)

Vineyard location; B4 R60 V54

Parentage: V17 R6 B2 x Delaware

Description: Fairly vigorous vine showing muscadine character. Stamens short upright, sample of pollen taken. Grape berry black and of good quality. Observation made September 1937
- Black Rot infection bad.

Propagation: 34 cuttings bedded in G.H. No. 9 on 2/16/37
36 ,, ,, ,, G.H. No. 7 ,, ,,

Cuttings lifted from G.H. No. 9 on 5/7/37
16 no growth, 18 alive, 4 callused and none rooted. Potted and placed in G.H. No. 7
Cuttings lifted from G. H. No. 7 on 5/10/37
24 no growth, 12 alive, 3 rooted, none callused. Potted and placed with others.

On 6/29/37, 15 plants were set in lath house having this selection number.

On 11/24/37, 15 plants found alive and lifted. Of these, 5 were sent to Mr. Loomis at Meridian, Miss., in January 1938, 5 were sent to Mr. Dearing at Willard, N. C. (tag No. 3986), and 3 put into 6" pots. Of these last 2 were held in G. H. No. 7 and the other in Darrow's cold house for the winter.

On 6/28/38 these 3 plants were set in the vineyard at Beltsville.

At Willard, N. C. on 2/24/38, 5 plants were noted in the nursery row as coming from Beltsville, and 5 derived from layers at Willard.

Pollen analysis made by Dr. Dermen on 7/1/42 shows this not to be a hybrid but a muscadine.

Selection B4 (33)

Vineyard location: B4 R61 V29

Parentage: V4 R27 B4 bagged

Description: Vine vigorous, fruit black with melting flesh and good flavor. Muscadine character, stamens short, reflex or upright (?). Foliage clean of disease.

Propagation: 36 cuttings bedded in G.H. No. 9 on 2/17/37
45 ,, ,, , G.H. No. 7 ,, ,,

(Record of rootings missing on plants of G. H. No.9)

Cuttings lifted from G. H. No. 7 on 5/10/37

39 no growth, 6 alive, 3 callused. Potted and placed in G.H. No. 7 with others from G. H. No. 9

7 plants of this selection set out in lath house on about 6/30/37.

On 11/24.37, 5 plants were lifted, 2 of these poor. All plants lost.

At Willard, N. C. on 2/24/38, 18 plants dermied from layers at Willard were noted in the nursery row.

Selection B4 (34)

Vineyard location: B4 R61 V41

Parentage: V4 R27 B4 bagged

Description: A white grape with fruit character much like California table grape. Vine vigorous, fine foliage fairly clean of disease. Muscadine character to vine and foliage, stamens long, upright, pollen taken and fruit clusters bagged.

Propagation: 40 cuttings bedded in G. H. No. 9 on 2/17/37
39 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
30 no growth, 10 alive, 1 rooted and 6 callused. Potted and placed in G. H. No. 7

Cuttings lifted in G. H. No. 7 on 5/10/37.
36 no growth, 3 alive, 1 rooted and none callused. Potted and placed with others.

Of the above 6 plants were alive and planted in the lath house on about 6/30/37.

On 11/24/37, 5 plants (1 poor) were lifted. 2 of these were sent to Mr. Loomis at Meridian, Miss. in January 1938 and 2 were put into 6" pots. One of these was held in G. H. No. 7 and the other in Darrow's cold house over the winter.

One plant of the above survived the winter and was planted in the field on 6/28/38.

At Willard, N. C. on 2/24/38, 10 plants of this selection derived from layers at Willard were noted in the nursery row.

Selection B4 (39)

Vineyard location: B4 R62 V20

Parentage: V19 R32 B4 bagged

Description: White grape. Vigorous vine with heavy crop of persistent berries of good quality. Stamens long upright. Pollen sample taken. In September 1937 chlorosis was bad.

Propagation: 38 cuttings bedded in G. H. No. 9 on 2/17/37
45 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37

19 no growth, 19 alive, 4 rooted and 5 callused. Potted and placed in G. H. No. 7.

Cuttings lifted in G. H. No. 7 on 5/10/37

32 no growth, 13 alive, 1 rooted and 6 callused. Potted and put with others.

From the above 13 plants were derived and planted in the lath house about 6/30/37.

On 11/24/37, 10 plants were lifted, 2 of which were sent to Mr. Loomis at Meridian, Miss., 6 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3973) and 2 were put into 6" pots. Of these last one was placed in G. H. No. 7 and the other was put into Darrow's cold house for the winter.

On 6/28/38, the 2 plants were set in the vineyard

At Willard, N. C. on 2/24/38, 5 plants of this selection from Beltsville were noted in the nursery row and 11 plants derived from layers at Willard.

Selection B4 (41)

Vineyard location: B4 R62 V35

Parentage: V19 R32 B4 bagged

Description: White grape. Vigorous vine with good crop of fair-sized berries. Good texture of flesh. Stamens long upright. Pollen sample taken. In September 1937 the fruit was judged as excellent but vine did not appear to be very strong - chlorosis and Black Rot.

Propagation: 39 cuttings bedded in G. H. No. 9 on 2/17/37
52 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
9 no growth, 30 alive, 14 rooted and 4 callused. Potted and placed in G. H. No. 7

Cuttings lifted in G. H. No. 7 on 5/10/37
48 no growth, 4 alive, 2 rooted and 1 callused. Potted and placed with others.

From the above 18 vines were found alive and planted in lath house on about 6/30/37

On 11/24/37, 15 plants were found alive and were lifted. Of these 2 were sent to Mr. Loomis at Meridian, Miss., 11 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3972), and 2 were potted in 6" pots. Of these last, one was placed in G. H. No. 7 and the other put into Darrow's cold house for the winter.

The above 2 plants were set in the vineyard on 6/28/38

At Willard, N. C. on 2/24/38, 8 plants from Beltsville were noted in the nursery row and 10 derived from layers at Willard.

Selection B4 (42 A)

Vineyard location: B4 R62 V70 or 71 (?)

Parentage:

Description: A good white grape. Vine of moderate vigor. In September 1937 the vine showed considerable "measles" and some Black Rot.

Propagation: 38 cuttings bedded in G. H. No. 9 on 2/17/37

Cuttings lifted on 5/7/37.

23 no growth, 15 alive, 11 rooted and 2 callused. Potted and placed in G. H. No. 7

From the above, 13 plants were set in the lath house on about 6/30/37

Lifted 13 plants on 11/24/37, and of these 2 were sent to Mr. Loomis at Meridian, Miss., 9 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3971) and 2 were put into 6" pots. Of these last, 1 was placed in G. H. No. 7 and the other put into Darrow's cold house for the winter.

The above 2 plants were set in the vineyard on 6/28/38.

At Willard, N. C. on 2/24/38, 8 plants of this selection from Beltsville were noted in the vineyard row and 13 derived from layers at Willard.

Selection B4 (43)

Vineyard location: B4 R63 V21

Parentage: V29 R32 B4 bagged

Description: Black grape. Vine vigorous, large berries of good flavor and with melting flesh. In September 1937 some Black Rot was noted on this vine.

Propagation: 38 cuttings were bedded in G. H. No. 9 on 2/17/37
25 ,, ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37

22 no growth, 15 alive, 2 rooted and 12 callused. Potted and placed in G. H. No. 7.

Cuttings lifted in G. H. No. 7 on 5/10/37

23 no growth, 2 alive, 1 rooted and 1 callused. Potted and placed with the others.

Of the above 12 plants were found alive on June 30, 1937 and were planted in the lath house.

On 11/24/37, 8 vines were alive and were lifted although 2 were poor. Of these, 2 were sent to Mr. Loomis at Meridian, Miss., 4 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3970), and 2 were put into 6" pots. One was held in G. H. No. 7 and the other was put into Darrow's cold house for the winter.

The above 2 plants survived and were planted in the vineyard on 6/28/38.

At Willard, N. C. on 2/24/38, 4 plants of this selection from Beltsville were noted in the nursery row and 19 derived from layers at Willard.

Selection B4 (44)

Vineyard location: B4 R64 V45

Parentage: V17 R6 B2 x Catawba

Description: Vine of moderate vigor showing muscadine characteristics. Berries black, sweet and persistent. In September 1937 this vine showed good vigor with foliage fairly clean of disease, with only a little black rot.

Propagation: 35 cuttings bedded in G. H. No. 9 on 2/16/37
14 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
23 no growth, 12 alive, 1 rooted and 7 callused. Potted and placed in G. H. No. 7.

Cuttings lifted in G. H. No. 7 on 5/10/37
7 no growth, 7 alive, none rooted or callused. Not potted.

Of the above 7 plants were found alive on 6/29/37 and were planted in the lath house.

On 11/24/37, 4 vines were found alive and were lifted. 2 of these were sent to Mr. Loomis at Meridian, Miss. and the other 2 were put into 6" pots. One was held in G. H. No. 7 and the other in Darrow's cold house over the winter.

2 plants planted in vineyard on 6/28/38.

32 plants of this selection derived from layers at Willard were noted in the nursery row there on 2/24/38.

Selection B4 (45)

Vineyard location: B4 R64 V71

Parentage: Thomas x Concord

Description: Black grape on a vigorous vine which shows muscadine characteristics. Stamens short, upright(?). Good clusters of fruit, persistent and of good quality. Pollen sample taken. In September, 1937 this vine showed little chlorosis and Black Rot.

Propagation: 38 cuttings bedded in G. H. No. 9 on 2/16/37
46 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
22 no growth, 16 alive, 7 rooted and 6 callused. Potted and placed in G. H. No. 7.

Cuttings lifted in G. H. No. 7 on 5/10/37
27 no growth, 19 alive, 14 rooted and 2 callused.
Extra long cuttings (8) in G. H. No. 7 lifted on same date
3 no growth, 5 alive, 4 rooted and 1 callused.

24 plants from above sources planted in the lath house
on 6/29/37

23 plants survived and were lifted on 11/24/37. Of these,
5 were sent to Mr. Loomis at Meridian, Miss., 13 were sent
to Mr. Dearing at Willard, N. C. in January 1938, and 5
were put into 6" pots. Two plants of these were held in
G. H. No. 7 and 3 in Darrow's cold house over the winter.

4 plants of the above planted in the vineyard at Beltsville
on 6/28/38.

At Willard, N. C. on 2/24/38, 10 plants of this selection
from Beltsville and 24 derived from layers at Willard were
noted in the nursery row.

Selection B4 (47)

Vineyard location: B4 R65 V16

Parentage: Thomas x Maraville de Malaga

Description: Black grape. Vigorous vine showing muscadine characteristics. Clusters of medium size. Berries medium sized and of good quality. Stamens medium upright. Foliage fairly clean of disease.

Propagation: 68 cuttings bedded in G. H. No. 9 on 2/16/37

Cuttings lifted from G. H. No. 9 on 5/7/37

55 no growth, 13 alive, 10 callused and none rooted. Potted and placed in G. H. No. 7.

Of the above 6 were found alive on 6/29/37 and were planted in the lath house.

6 plants lifted from lath house on 11/24/37. Three of these were sent to Mr. Loomis at Meridian, Miss. in January 1938 and 2 were put into 6" pots. One plant was held in G. H. No. 7 and the other in Darrow's cold house over winter.

2 plants set in the vineyard on 6/28/38

At Willard, N. C. on 2/24/38, 12 plants of this selection derived from layers at Willard were noted in the nursery row.

Selection B4 (48)

Vineyard location: B4 R66 V36

Parentage: V39 R2 B2 x Goethe

Description: Vine fairly vigorous and shows hybrid character. Partially defoliated by Isariopsis in 1937. No flowers seen.

Propagation: 36 cuttings bedded in G. H. No. 9 on 2/16/37
33 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 5/7/37

12 no growth, 24 alive, 14 rooted and 10 callused. Potted and placed in G. H. No. 7.

Cuttings lifted from G. H. No. 7 on 5/10/37

7 no growth, 26 alive, 18 rooted and 8 callused. Potted and placed with the others.

From the above, 44 plants were found alive on 6/29/37 and were set out in the lath house.

36 plants found alive on 11/24/37 and were lifted. Of these 5 were sent to Mr. Loomis at Meridian, Miss., 26 were sent to Mr. Dearing at Willard, N. C. (tag No. 3982), and 5 were put into 6" pots. Of these 2 were held in G. H. No. 7 and 3 were held in Darrow's cold house over the winter.

2 plants of this selection planted in the vineyard 6/28/38/

At Willard, N. C. on 2/24/38 21 plants from Beltsville and 8 plants derived from layers were noted in the nursery row at Willard.

Selection B4 (49)

Vineyard location: B4 R66 V41

Parentage: V39 R2 B2 x Goethe

Description: Vine shows hybrid character. Held for further test. No flowers seen.

Propagation: 6 cuttings bedded in G. H. No. 9 on 2/16/37

Cuttings lifted on 5/7/37

2 no growth, 4 alive, 3 rooted and 1 callused. Potted and placed in G. H. No. 7

4 plants set in the lath house on 6/29/37.

4 plants lifted on 11/24/37. Two of these sent to Mr. Loomis at Meridian, Miss. in January 1938 and the other 2 potted in 6" pots. One of these held in G. H. No. 7 and the other in Darrow's cold house over winter.

Neither of the plants survived.

At Willard, N. C. on 2/24/38, 5 plants derived from layers were noted in the nursery row.

Selection B4 (50)

Vineyard location: B4 R66 V45

Parentage: V39 R2 B2 x Trifere du Japon

Description: Vine of medium vigor and showing hybrid character.
Stamens long upright. Fruit cluster shows seedless berries with an occasional seeded berry. Isariopsis rather bad in 1937.

Propagation: 29 cuttings bedded in G. H. No. 9 on 2/16/37
18 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 5/7/37
18 no growth, 11 alive, 5 rooted and 6 callused. Potted and placed in G. H. No. 7.
Cuttings lifted in G. H. No. 7 on 5/10/37
12 no growth, 6 alive, 4 rooted, none callused. Potted and put with the others.

On 6/29/37, 7 plants of this selection were planted in the lath house. Some of the others lost "in the shuffle".

6 plants were lifted on 11/24/37, 4 of which were sent to Mr. Loomis at Meridian, Miss. in January 1938, and the other two were put into 6" pots. One of the last was held in G. H. No. 7 and the other in Darrow's cold house for the winter.

Neither of these plants survived the winter.

At Willard, N. C. on 2/24/38, 9 plants derived from layers were noted in the nursery row.

Selection B4 (51)

Vineyard location: B4 R66 V48

Parentage: V39 R2 B2 x Winchell

Description: Vine of fair vigor showing hybrid characters. No flowers
see. Fairly resistant to disease. Some Isariopsis in
1937.

Propagation: 7 cuttings bedded in G. H. No. 9 on 2/16/37.

Cuttings lifted on ~~5/7/37~~ 4/23/37 3 no growth, 4 alive, 3 rooted & 1 cultured.
One plant survived.

1 plant of this selection planted in the lath house on 6/29/37.

This plant did not survive.

Selection B4 (52)

Vineyard location: B4 R66 V60

Parentage: V39 R2 B2 x Semillon

Description: Vine of fair vigor and showing hybrid character. Stamens long upright. Pollen sample taken. Foliage fairly resistant to disease - some Isariopsis in 1937. A few berries in the vine and seeds saved.

Propagation: 22 cuttings bedded in G. H. No. 9 on 2/16/37.

Cuttings lifted 5/7/37

1 no growth, 21 alive, 20 rooted, 1 not callused. Potted and placed in G. H. No. 7.

20 plants as above planted in lath house on 6/29/37

20 plants lifted from lath house on 11/24/37. Five of these sent to Mr. Loomis at Meridian, Miss. in January 1938, , 10 sent to Mr. Dearing at Willard, N. C. on Jan 15, 1938 (aluminum tag No. 3981) and 5 potted in 6" pots. Of these last 2 were held in G. H. No. 7 and 3 were held in Darrow's cold house over winter.

One plant in the cold house died but others survived. 2 plants were set in the vineyard on 6/28/38.

At Willard, N. C. on 2/24/38, 6 plants of this selection from Beltsville, and 6 from layers at Willard were noted in the nursery row.

Selection B4 (55)

Vineyard location: B4 R67 V20

Parentage: V4 R27 B4 x V20 R36 B4

Description: White grape. Vine vigorous with large crop of fine berries in good clusters. Persistent, quality good. Vine shows muscadine characteristics. Stamens upright, pollen sample taken. Some Black Rot in 1937.

Propagation: 40 cuttings bedded in G. H. No 9 on 2/17/37
39 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
24 no growth, 16 alive, 2 rooted and 8 callused. Potted and placed in G. H. No. 7

Cuttings lifted in G. H. No. 7 on 5/10/37
28 no growth, 11 alive, 1 rooted and 6 callused. Potted and placed with the others.

15 plants of the above were found alive on June 30, 1937 and were planted in the lath house.

13 plants lifted from the lath house on 11/24/37. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. in January 1938, 9 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3969) and 2 were put into 6" pots. One of these was held in G. H. No. 7 and the other in Darrow's cold house over the winter.

2 plants set in vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 9 plants of this selection from Beltsville and 12 derived from layers at Willard were noted in the nursery row.

Selection B4 (57)

Vineyard location: B4 R67 V50

Parentage: V38 R24 B4 x V36 R36 B4

Description: Late white grape. Vine vigorous with fine clusters of persistent berries. Good crop. Sprightly in quality. Vine shows muscadine characteristics. Stamens short reflex. Pollen sample taken. Fairly free of disease but some Black Rot in 1937.

Propagation: 38 cuttings bedded in G. H. No. 9 on 2/17/37
38 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
23 no growth, 15 alive, 8 rooted and 1 callused. Potted and placed in G. H. No. 7

Cuttings lifted in G. H. No. 7 on 5/10/37
35 no growth, 3 alive, 1 rooted and 1 callused. Potted and put with the others.

Of the above, 10 were found alive and set in the lath house about 6/30/37.

10 plants lifted on 11/24/37, of which, 2 were sent to Mr. Loomis at Meridian, Miss. in January 1938, 6* ~~were sent to~~ ^{see note below} Mr. Dearing at Willard, N. C. (aluminum tag No. 3968) and 2 were put into 6" pots. One of the last held in G. H. No. 7 and the other in Darrow's cold house over the winter.

2 plants set in the vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38 the plants noted from Beltsville were counted as 8 and a like number derived from layers at Willard were noted in the nursery row.

(Note: When plants were lifted from the lath house on 11/24/37 field notes indicated that 11 plants were lifted, and the number of plants as sent to Dearing was recorded as 9. The whole accounted for on the Dearing 9 basis adds up to more plants than survived in the first place. Hence above the number sent to Dearing is given as 6, which were all available, unless there was some mix-up in the shipment. The plant inspector was right on our heels all the time the plants were being prepared for shipment so some mistakes might have been made.)

Selection B4 (58)

Vineyard location: B4 R67 V73

Parentage: Thomas x V4 R27 B4

Description: Black grape. Vine vigorous bearing berries that are large and of good quality. Clusters of medium size. All vine and fruit characteristics like the muscadine. Stamens short, upright. Pollen sample taken. Foliage clean of disease in 1937.

Propagation: 39 cuttings bedded in G. H. No. 9 on 2/16/37
46 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted in G. H. No. 9 on 5/7/37
25 no growth, 14 alive, 6 rooted and 3 callused. Potted and placed in G. H. No. 7

Cuttings lifted in G. H. No. 7 on 5/10/37
32 no growth, 14 alive, 8 rooted and 4 callused. Potted and placed with the others.

From the above 20 plants were set in the lath house on or about 6/30/37

13 plants of the above alive and lifted from lath house on 11/24/37. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. in January 1938, 9 were sent to MR. Dearing at Willard, N. C. (aluminum tag No. 3967), and 2 were put into 6" pots. One of these was held in G. H. No. 7 and 1 in Darrow's cold house over winter.

2 plants of this selection planted in the vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 9 plants of this selection from Beltsville and 18 plants derived from layers at Willard were noted in the nursery row.

MUSCADINE GRAPE INVESTIGATIONS

Record on Selections

BLOCK #6

At: Coastal Plain Station,
Willard, No. Car.

U. S. Hort. Station,
Beltsville, Md.

and Other Points

*Selections made by C. A. Magoon and confirmed by
Mr. Charles Dearing*

Parentage of Muscadine Grapes Used in Breeding Seedlings of Block 6

(Taken from records of Mr. Charles Dearing at Willard,
N. C. on September 25, 1936.)

Individual	Parentage
V39 R2 B2	----- <i>from hybrid by T. V. Munson of San Jacinto with some Port oak x Herbemont hybrid</i> ----- (get from earlier records on file in Washington, D. C.)
V47 R9 B2 (known as "Stanford")	----- (see above) <i>a seedling from San Jacinto (from seed furnished by T. V. Munson Sept 15, 1905)</i>
V6 R19 B3	----- parentage uncertain
V22 R5 B4	----- parentage shown in Pollination No. 443 <i>(Dussermang x staminate R3316 Romme Brook nursery and, New Smyrna, Fla. Probably a Munsoniana)</i>
V26 R5 B4	----- same
V36 R5 B4	----- James x V66 R3 B2 (white male) - <i>Eden x Staminate '09 (Mr Cole)</i>
V46 R6 B4	----- same
V64 R6 B4	----- same
V62 R14 B4	----- Eden x V23 R4 B2 (cross by Mr Cole between Eden and a staminate Munsoniana vine - first hermaphrodite secured.)
V68 R14 B4	----- same
V10 R15 B4 (hermaphrodite)	---- same
V22 R15 B4 (hermaphrodite)	---- same
V36 R15 B4	----- same
V46 R18 B4	----- Chance white seedling of James (nursery lot No. 480)
V57 R18 B4	----- Miscellaneous chance white seedling (nursery lot 468)
V4 R27 B4 (hermaphrodite)	---- Thomas x V19 R7 B2 (hermaphrodite from Eden x V23 R4 B2 -- see above)
V6 R27 B4	----- same
V13 R27 B4	----- same
V24 R32 B4	----- James x V19 R7 B2 (hermaphrodite from Eden x V23 R4 B2) (see above)
V20 R36 B4 (hermaphrodite)	---- V80 R3 B2 (Morrison) x V19 R7 B2 (see above)

Parentage Block 6 (cont)

Individual

Parentage

V31 R36 B4 (hermaphrodite) --- V19 R7 B2 x V85 R7 B2

V36 R36 B4 (white hermaphrodite) --- V47 R9 B2 (Stanford) x V19 R7 B2

V37 R36 B4 ----- V47 R9 B2(Stanford) x V19 R7 B2

V9 R36 B4 ----- Flowers x V19 R7 B2

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January 12, 1940

Mr. Charles Dearing,
Coastal Plain Station,
Willard, North Carolina.

Dear Mr. Dearing:

In working up the records of the Muscadine seedlings of blocks 6 and 8, which are now under further study in the new vineyard units at Willard, I have run into a difficulty that I cannot straighten out, and am hoping that you will be able to help me.

In the material on the parentage of Muscadine grapes used in breeding seedlings of block 6, which I obtained from you on September 25, 1936, and also in your Journal of Heredity article on Muscadine grape breeding, the parentage of V23 R4 B2, that is, the first amorphodite obtained by Mr. Cole, is given as Eden x a staminate Munsoniana vine. In going back to the original records of block 2 on file here, and also your revised vineyard list of 1912, the parentage of this grape is given as Eden x Mission '09, Arlington Farm Accession No. 7035. I have checked on the Arlington Farm accession lists and also the pomology lists, and in all cases Eden x Mission is the indicated parentage. The origin of the Mission grape is, according to Hedrick, uncertain, and is thought by some to be a hybrid of Vitis vinifera with Vitis girdiana, and apparently is entirely distinct from the Munsoniana. Can you help me out on this? I am anxious that the parentage of these selections is made accurate in our records. I have been using the Munsoniana parentage up to this time, but in one or two instances have found it necessary to go back to the original records, and it was in this way that I discovered this discrepancy. It would appear to me that the name "Mission" must have been given locally to the Munsoniana at the New Smyrna, Florida, vineyard, where the first amorphodite by Mr. Cole was developed. If this is the case, it should be made clear in our records. So far I have been unable to clear up the matter from the records in hand, but it may be that I have overlooked some entry which would clear up the situation. I shall very much appreciate any help you will be able to give me.

Sincerely yours,

C. A. Magoon,
Senior Bacteriologist.

North Carolina

Department of Agriculture

W. KERR SCOTT
COMMISSIONER OF AGRICULTURE

F. E. MILLER
DIRECTOR OF TEST FARMS



DIVISION OF TEST FARMS

COOPERATING WITH
N. C. AGRICULTURAL EXPERIMENT STATION
AND
U. S. DEPARTMENT OF AGRICULTURE

COASTAL PLAIN STATION
CHAS. DEARING
ASSISTANT DIRECTOR IN CHARGE
AND
ASSOC. HORTICULTURIST U. S. D. A.

WILLARD, N. C.

January 15, 1940.

Dr. C. A. Magoon, Senior Bacteriologist
Fruit & Vegetable Crops & Diseases
U. S. Horticultural Field Station
Beltsville, Maryland

Dear Dr. Magoon:

Answering your letter of January 12 it is interesting to note that you have found a confusion between the Mission grape as described by Hedrick and a wild staminate Munsoniana vine used by Mr. Cole down in Florida. I would think these were far enough apart not to get confused!

In an effort to produce some seedlings, apparently for the purpose of just getting a lot of seedlings to serve as foundation for breeding work, especially those which would represent crosses between the Rotundifolia and the Munsoniana; Mr. Cole made a number of pollinations in Florida. As I recall, these were made mostly at New Smyrna, if not entirely there. He used in these crosses several male parents which were either growing in or around the Ronnoc Grove vineyard, or which were growing wild in the woods farther off. He used male vines which interested him, I believe, either for their profuseness of bloom, their vigor, or perhaps just because of their convenient location. There was an old Mission ruins which Cole visited and on it he found a male Munsoniana wild vine growing and he used pollen from this vine in some of his crosses. In order to identify it from some of the other males, instead of saying male No. 1 or male A, he designated this particular one as "Mission" because it clambered over the ruins of the old Mission. So there you are! I think you will find a picture or perhaps several pictures of this vine and the Mission ruins among negatives or prints in the office files. They were there at one time before the moving. Hundreds of seeds from these crosses were planted at Willard either by Mr. Cole or Mr. Hussman and when I came on the scene these were about a year old and I brought on the lot as a vineyard block. This block also included a lot of seed donated, I believe, by T. W. Munson from Muscadine vines in Texas. In the lot there were a great many crosses with this same "Mission" staminate Munsoniana. None of them achieved any prominence, however, except V23R4B2 which, as recorded in my reports, I discovered to be morphologically perfect. But otherwise this seedling was of no value. I planted some of the original in block 3, but I believe it is gone at this time. However, starting from the two very small pieces of bloom cluster which were on the vine at the time I observed its perfect character, we have developed a large number

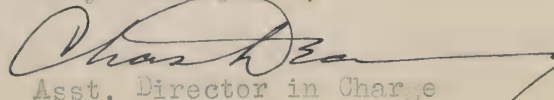
of hermaphrodites which are good and which relate to the leading Rotundifolia varieties, such as Scuppernong, Thomas, etc. In view of the fact that Mr. Cole had no idea whatever of developing hermaphrodites when he made his crosses, and in view of the fact that the first hermaphrodite was discovered here at Willard by me, I think the sentence in your letter which reads as follows is not altogether correct. - -

"It would appear to me that the name "Mission" must have been given locally to the Munsoniana at the New Smyrna, Florida, vineyard, where the first hermaphrodite by Mr. Cole was developed."

You will find a full record of my observations and of the crosses which I subsequently made in my filed reports. I, of course, would not want to take away from Mr. Cole the credit for having made the crosses that yielded the seedlings which I handled.

We have our pruning all done here and most of the vines are tied up, but outdoor work of all kinds has been more or less at a standstill on the Station since the first of the year, owing to adverse weather conditions. We have had snow and sleet and rain and continuous cold so that we have been using our labor working over machinery and doing other odd jobs around the buildings, taking invoice, etc. You will be interested to know also that we have completely reworked block 5 and have made a Station overhead vineyard out of it. We are planning before spring to complete the removal of block 1 and block 8, transplanting valuable material to other blocks where there are vacancies as much as possible.

Very truly yours,


Asst. Director in Charge

CD/w

Selection B6 (1)

Vineyard location: B6 R1 V6

Parentage: Latham x V62 R14 B4- (Eden x V23 R4 B2 [cross by Mr. Cole
(between Eden and a staminate Munsoniana
(vine - first hermaphrodite secured))

Description: Black grape. Vigorous vine with fine foliage. Good
clusters of persistent, juicy and well flavored berries.
(6/15-17/37) Few flower clusters. Stamens reflex.
(9/19-20/37) "Not much". Cercospora most important disease
but not serious. Little chlorosis and Black Rot.
(9/1/38) Black grape, berries rather small, crop small,
abundant foliage, fruit sweet. Stamens short.

Propagation: 37 cuttings bedded in G. H. No. 9 on 2/8/37
28 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted 4/23/37. from G. H. No. 9
4 no growth, 25 alive, 8 rooted and 22 callused. Potted
and put in G. H. No. 7

Cuttings lifted from G. H. No. 7 on 4/22/37
23 no growth, 5 alive, 1 rooted and 2 callused. Potted
and placed with the others.

From the above 27 plants were found alive on 6/29/37 and
were planted in the lath house.

24 plants from the above were lifted from the lath house
on 11/24/37. Of these, 2 were sent to Mr. Loomis at
Meridian, Miss. in January 1938, 18 plants were sent to
Mr. Dearing at Willard, N. C. (aluminum tag No. 3966)
and 2 were put into 6" pots. One of these last was held
in G. H. No. 7 and the other in Darrow's cold house over the
winter. 2 were sent to L. E. Scott at Columbia, S. C. and
2 vines to Dr. Gardner at Raleigh, N. C.
2 plants set in the vineyard at Beltsville on 6/28/38.

On 2/24/38, at Willard, N. C., 18 plants sent from Beltsville
and 31 derived from layers at Willard, were noted in the
nursery row.

Selection B6 (2)

Vineyard location: B6 R1 V11

Parentage: Latham x V62 R14 B4 (Eden x V23 R4 B2 [cross by Mr. Cole
between Eden and a staminate Munsoniana
vine - first hermaphrodite secured])

Description: Black grape. Vine vigorous with good clusters of medium
sized berries of good quality. Persistent.
(6/15-17/37) Stamens long upright, clusters large, looks good.
(9/19-20/37) Fine crop, good bunches, Cercospora bad - some
Black Rot.
(9/1/38) Black grape, foliage light, good crop, stamens
medium upright.

Propagation: 35 cuttings bedded in G. H. No. 9 on 2/10/37
44 ,, ,, in G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 On 4/23/37
18 no growth, 17 alive, 1 rooted and 8 callused. Potted
and placed in G. H. No. 7

Cuttings lifted from G. H. No. 7 on 4/22/37
34 no growth, 10 alive, none rooted and none callused.
None potted.

From the above 5 plants survived and were planted in the lath
house on 6/29/37

5 plants lifted from lath house on 11/24/37. Of these, 2 plants
were sent to Mr. Loomis at Meridian, Miss., 1 plant was sent
to Mr. Dearing at Willard, N. C. (celluloid tag) and 2 were
put into 6" pots. One of these was held in G. H. No. 7 and
the other in Darrow's cold house over the winter.

2 plants planted in vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 1 plant of this selection from
Beltsville and 17 derived from layers at Willard were noted
in the nursery row.

Selection B6 (3)

Vineyard location: B6 R1 V15

Parentage: Latham x V62 R14 B4 (Eden x V23 R4 B2 ~~Eden~~ cross by Mr. Cole between Eden and a staminate Munsoniana vine - first hermaphrodite secured)]

Description: Black grape. Vine very vigorous with good clusters of persistent berries. Quality good.
(6/15-17/37) Stamens short reflex. Vine vigorous but does not seem to promise much now.
(9/19-20/37) Not much. Considerable Cercospora and some little Black Rot.
(9/1/38) Black grape. Fine vigor of vine, moderate crop only, no flowers seen.

Propagation: 34 cuttings bedded in G. H. No. 9 On 2/12/37
49 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 4/23/37
29 no growth, 5 alive, 2 rooted and 2 callused. Potted and placed in G. H. No. 7

Cuttings lifted from G. H. No. 7 on 4/22/37
38 no growth, 11 alive, 4 rooted and 5 callused. Potted and placed with the others.

13 plants from the above survived and were planted in the lath house on 6/29/37

13 plants were lifted on 11/24/37, 2 of which were sent to Mr. Loomis at Meridian, Miss. in January 1938, 2 to L. E. Scott at Columbia, S. C., 2 to Dr. Gardner, Raleigh, N. C. and 5 to Mr. Dearing at Willard, N. C. (aluminum tag No. 3965).
2 plants were saved for potting but they were lost in handling.

At Willard, N. C. on 2/24/38, 5 plants from Beltsville and 32 derived from layers at Willard were noted in the nursery row.

Selection B6 (4)

Vineyard location: B6 R1 V27

Parentage: Latham x V10 R15 B4 (hermaphrodite from Eden x V23 R4 B2 [cross by Mr. Cole between Eden and a staminate Monsoniana vine - first hermaphrodite secured] Ø

Description: Black grape. Vigorous vine bearing heavy crop of good clusters of berries of medium size and good quality. Persistent.
(6/15-17/37) Stamens medium upright, clusters good, few flowers, fruit 3-5 mm. Looks good.
(9/19-20/37) Good clusters, very good grape, some Cercospora.
(9/1/38) Small vine heavily loaded with fruit, berries black, good size, fair quality. No flowers seen.
Juice made from this grape on 9/23/36 and opened on 6/16/37 was clear, amber yellow, moderate amount of sediment. Rather thin, sugar-acid good but juice without distinctive flavor.

Propagation: 40 cuttings bedded in G. H. No. 9 on 2/12/37

Cuttings lifted on 4/23/37

29 no growth, 11 alive, 5 rooted and 2 callused. Potted and placed in G. H. No. 7

6 plants from the above survived and were planted in the lath house on 6/29/37

6 plants were lifted from the lath house on 11/24/37. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. in January 1938, 2 were sent to Mr. Dearing at Willard, N. C. (celluloid tag) and 2 were put into 6" pots. One of these was held in G. H. No. 7 and the other in Darrow's cold house over winter.

2 plants set in vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 2 plants were noted in the nursery row and 9 derived from layers at Willard.

Selection B6 (5)

Vineyard location: B6 R1 V34 &35

Parentage: Latham x V10 R15 B4(Eden x V23 R4 B2 [cross by Mr. Cole between
Eden and a staminate Munsoniana vine -
the first hermaphrodite secured])

Description: Black grape. Vines vigorous bearing good clusters of medium-sized grapes of good quality. Persistent.
(6/15-17/37) Cluster small and crop small. Self-fertile as I saw cap still on berry 3mm in diam. Stamens short, reflex.
(9/19-20/37) Not outstanding. Cercospora bad and considerable Black Rot.
(9/1/38) Black grape, good vigor, medium crop, pulp of berry meaty. Stamens reflex.

Propagation: 38 cuttings bedded in G. H. No. 9 on 2/10/37
54 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 4/23/37
~~35~~ no growth, ~~41~~ alive, ~~28~~ rooted and ~~29~~ callused. Potted and placed in G. H. No. 7

Cuttings lifted from G. H. No. 7 on 4/22/37
41 no growth, 13 alive, 1 rooted and 3 callused. Potted and placed with the others.

Of the above, 4 survived and were planted in the lath house on 6/29/37

4 plants lifted from lath house on 11/24/37. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. in January 1938, and 2 were put into 6" pots. One of these last was held in G. H. No. 7 and the other in Darrow's cold house over winter.

2 plants planted in the vineyard at Beltsville on 6/28/38

At Willard, N. C. on 2/24/38, 3 plants of this selection derived from layers were noted in the nursery row.

Selection B6 (6)

Vineyard location: B6 R1 V36

Parentage: Latham x V10 R15 B4 (Eden x V23 R4 B2 [] cross by Mr. Cole between Eden and a staminate Munsoniana vine - first hermaphrodite secured [])

Description: White grape. Vine of good vigor, good clusters of medium-sized berries of good flavor.
(9/19-20/37) Not outstanding. Cercospora bad and considerable Black Rot.
(9/1/38) Vine small, berries good sized, stamens apparently reflex.

Propagation: 35 cuttings bedded in G. H. No. 9 on 2/10/37
53 ,, ,, in G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 4/23/37
19 no growth, 16 alive, 2 rooted and 10 callused. Potted and placed in G. H. No. 7

Cuttings lifted from G. H. No. 7 on 4/22/37
49 no growth, 4 alive, none rooted and none callused

Of the above, 8 were found alive and planted in the lath house on 6/29.37

8 plants lifted from lath house on 11/24/37, of which, 2 were sent to Mr. Loomis at Meridian, Miss. on Jan 15, 1938, 4 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No.3964) and 2 were put into 6" pots. One of these was held in G. H. No. 7 and the other in Darrow's cold house over winter.

1 plant from G. H. No. 7 was planted in the vineyard at Beltsville on 6/28/38. The plant in Darrow's cold house did not survive the winter.

At Willard, N. C. on 2/24/38, 4 plants sent from Beltsville and 16 derived from layers were noted in the nursery row.

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Selection B6 (7)

Vineyard location: B6 R1 V42

Parentage: Latham x V22 R15 B4 (hermaphrodite vine derived from Eden x V23 R4 B2 [first hermaphrodite secured from cross made by Mr. Cole between Eden and a staminate Munsoniana vine]).

Description: Black grape. Vine very vigorous with heavy load of good clusters of medium-sized berries having high sugar content and fine flavor.
(6/15-17/37) Stamens short, reflex, medium clusters but light crop indicated.
(9/19-20/37) Fair clusters, persistent berries, rather tough, high flavor. Cercospora bad and some Black Rot.
(9/1/38) Vigorous with heavy crop of bunching character. Berries sweet, spicy and good. Stamens probably reflex.

Pasteurized juice from this grape made on 9/23/36 and opened on 6/16/37 was amber yellow in color, opalescent, with a moderate amount of sediment. Sweetened water, merely, without character.

Propagation: 66 cuttings bedded in G. H. No 9 on 1/29/37
25 ,, ,, ,, G. H. No. 7 on 2/4 - 2/5/37.

No plants survived in G. H. No. 9
Cuttings lifted from G. H. No. 7 on 4/22/37
21 no growth, 4 alive, none rooted and none callused.

At Willard, N. C. on 2/24/38, 24 plants derived from layers were noted in the nursery row.

1945

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1950

Selection B6 (8)

Vineyard location: B6 R1 V46

Parentage: Latham x V22 R15 B4(hermaphrodite vine derived from Eden x V23 R4 B2 first hermaphrodite secured from cross made by Mr. Cole between Eden and a staminate Munsoniana vine).

Description: Black grape. Very vigorous vine bearing an abundance of medium-sized grapes of fine flavor.
(6/15-17/37) Stamens short, reflex. Few flower clusters.
(9/19-20/37) Vigorous, but not an outstanding grape. Cercospora abundant.
(9/1/38) Vine very vigorous but crop light.

Propagation: 30 cuttings bedded in G. H. No. 9 on 2/10/37
59 ,, ,, ,, G. H. No. 7 ,, ,,

Cuttings lifted from G. H. No. 9 on 4/23/37
21 no growth, 9 alive, 1 rooted and 3 callused. Potted and placed in G. H. No. 7

Cuttings lifted from G. H. No. 7 on 4/22/37
40 no growth, 19 alive, 2 rooted and 4 callused. Potted and placed with the others.

8 plants survived from the above and were planted in the lath house on 6/29/37/

All plants survived and were lifted on 11/24/37. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. January 1938, 4 were sent to Mr. Dearing at Willard, N. C. (aluminum tag No. 3963 (?)), and 2 were put into 6" pots. Of these last, 1 was held in G. H. No. 7 and the other in Darrow's cold house over the winter.

2 plants were planted in the vineyard at Beltsville on 6/28/38

At Willard, N. C. 5 plants from Beltsville and 17 derived from layers were noted in the nursery row on 2/24/38.

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Selection B6 (9)

Vineyard location: B6 R1 V49

Parentage: Latham x V22 R15 B4 (Eden x V23 R4 B2 (first hermaphrodite secured from cross made by Mr. Cole between Eden and a staminate *Munsoniana* vine)).

Description: Black grape. Notable for good clusters of large berries of good quality.
(6/15-17/37) Stamens practically sessile. Clusters small.
(9/19-20/37) Vine rather weak, fruit flavor good but not outstanding, considerable *Cercospora* and some Black Rot.
(9/1/38) Good vigor, good crop, good sized berries of fine flavor.

Propagation: 35 cuttings bedded in G. H. No. 9 on 2/10/37
26 ,, ,, ,, G. H. No. 7 ,, 2/8/37

Cuttings lifted from G. H. No. 9 on 4/23/37
23 no growth, 12 alive, none rooted and 3 callused. Potted and placed in G. H. No. 7
Cuttings lifted in G. H. No. 7 on 4/22/37
All dead.

From the above 2 plants survived and were planted in the lath house on 6/29/37.

Of these only one survived and was lifted on 11/24/37.
This was potted and held in G. H. No. 7 over the winter.

1 plant planted in the Beltsville vineyard on 6/28/38

At Willard, N. C., 9 plants derived from layers at Willard were noted in the nursery row on 2/24/38.

Selection B6 (10)

Vineyard location: B6 R1 V53

Parentage: Latham x V4 R27 B4(Thomas x V19 R7 B2 [hermaphrodite from Eden x V23 R4 B2 {first hermaphrodite secured by Mr. Cole from a cross between Eden and a staminate Munsoniana vine}).

Description: Late white grape. Vine vigorous bearing an abundance of persistent berries of fair size and good quality.
(6/15-17/37) Stamens short, upright. Clusters few.
(9/19-20/37) Vine weak, some Cercospora and Black Rot.
(9/1/38) White, vine not very strong, berries good sized and of good flavor.

Propagation: 38 cuttings bedded in G. H. No. 9 on 2/12/37.

Record of lifting lost.

5 plants of this selection planted in the lath house on 6/29/37

5 plants lifted from lath house on 11/24/37. Of these, 2 were sent to Mr. Loomis at Meridian, Miss. January 1938, and 2 were put into 6" pots. One of these held in G. H. No. 7 and the other in Darrow's cold house over the winter.

2 plants set in the vineyard at Beltsville on 6/28/38

At Willard, N. C. on 2/24/37, 14 plants derived from layers at Willard were noted in the nursery row.

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Selection B6 (11)

Vineyard location: B6 R1 V56

Parentage: (same as B6 (10))

Description: Black grape. Very vigorous vine with fair sized clusters of berries of medium size having fine flavor.
(6/15-17/37) Stamens short, reflex. Considerable number of flower clusters - apparently will have considerable fruit.
(9/19-20/37) Good but shatters badly. Fair vigor, fairly good clusters of good-sized berries. *Cercospora* abundant. Little Black Rot.
(9/1/38) Black, fine vigorous vine. Grape looks like Thomas. Flavor fine, stamens short. Promising, but wish it had long upright stamens.

Juice made from this grape on 9/23/36 and opened on 6/16/37 was light yellow - nearly lemon juice appearance, opalescent, sweet, honey-like - clean and smooth. Graded as FIRST of those bottled.

Chemical analysis as follows:

Balling reading at $24\frac{1}{2}^{\circ}\text{C}$. 15.5 %
Acidity - 10 cc req. 8.3cc N/10 NaOH -equiv. to .62%
Refractive index 1.3618 , 1.3619
Tannin .029 gm per 100 cc.

Propagation: 33 cuttings bedded in G. H. No. 9 on 2/8/37
53 ,, ,, ,, G. H. No. 7 ,, ,,

Record of cuttings in No. 9 lost. (apparently none survived)
Cuttings lifted from G. H. No. 7 on 4/22/37
31 no growth, 22 alive, none rooted and 2 callused. Potted and placed in G. H. No. 7

2 plants survived and planted in lath house on 6/29/37

2 plants lifted on 11/24/37 and potted in 6" pots. One of these was held in G. H. No. 7 and the other in Darrow's cold house over the winter.

1 plant set in the vineyard on 6/28/38. The plant held in the cold house did not winter well and was weak.

At Willard, N. C. 6 plants of this selection derived from layers at Willard were noted in the nursery row.

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Selection B6 (13)

Vineyard location: B6 R1 V59

Parentage: (same as that of B6(10))

Description: Black grape. Vigorous vine bearing fair clusters of berries of very good appearance and quality. Very fine - outstanding.
(6/15-17/37) Stamens short, reflex. few small clusters.
(9/19-20/37) Very high flavor. Foliage good - vigorous.
Has some "measles".
(9/1/38) Fine vigor, moderate crop, fine quality. Pulp a bit tough. Stamens reflex.

Propagation: 77 cuttings bedded in G. H. No. 9 on 2/8/37
27 ,, ,, ,, G. H. No. 7 ,, ,,

No records found on cuttings of G. H. No. 9 - apparently did not survive.

Cuttings from G. H. No. 7 lifted on 4/22/37.

24 no growth, 3 alive, none rooted and none callused.

None of above survived.

5 plants of this selection noted in the nursery row at Willard, N. C. on 2/24/38, which were derived from layers there.

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Selection B6 (14)

Vineyard location: B6 R1 V64

Parentage: Latham x hermaphrodite - Thomas x V19 R7 B2 (hermaphrodite from Eden x V23 R4 B2 (this last being the result of a cross by Mr. Cole between Eden and a staminate Munsoniana vine - the first hermaphrodite secured by him.)

Description: Black grape, vine vigorous with heavy crop of fruit borne in medium-sized clusters. Persistent. Berries have fine flavor and aroma.
(6/15-17/37) Stamens short, reflex. Few clusters, not very promising now.
(9/19-20/37) On the whole vigorous, but no fruit. Some Cercospora and considerable Black Rot.
(9/1/38) Fine vigor, black berries, fairly good crop. Flavor good, pulp sweet but rather tough. Stamens reflex.

Propagation: 65 cuttings bedded in G.H.No. 9 on 1/29/37
21 ,, ,, ,, ,, No. 7 ,, 2/3-4/37

No further record of plants from cuttings from G.H.No.9
- evidently did not survive.

Cuttings from G.H.No. 7 lifted 4/22/37
18 no growth, 5 alive, 1 callused.

(None survived)

(Five successfully propagated at Willard, N. C. 2/24/38)

... - Thomas x V19 R7 B1 (hemispherical from
... 1938 R4 B2 (this last being the result of a
cross by Mr. John ... and a ...
... - the first hemispherical ... by ...

... , also vigorous with heavy crop of fruit borne
... - sized Persistent. ... have fine
... (1938 R4 B2) ... short, Few ... , not
... .
... On the whole vigorous, but no fruit. Some
... and considerable black rot.
9/1/38 Fine vigor, black berries, fairly good crop.
... , very sweet but rather tough. ...

85 cuttings bedded in G.H.No. 3 on 1/23/37
21 ... 8/5-4/37

Propagations:

No further record of plants from cuttings from G.H.No. 3
- evidently did not survive.
Cuttings from G.H.No. 3 (1938 R4 B2)
is no growth, 3 alive, 1 delayed.

(None survived)
(The successfully propagated at Willard, N. H. 2/24/38)

Selection B6 (15)

Vineyard location: B6 R1 V66

Parentage: Latham x V4 R27 B4 - hermaphrodite, Thomas x V19 R7 B2 (hermaph-
from Eden x V23 R4 B2 (this last being the result of
a cross by Mr. Cole between Eden and a staminate
Munsoniana vine - the first hermaphrodite secured by
him.

Description: White grape, vine very vigorous and with excellent foliage.
Berries large and of excellent quality. Outstanding.
(6/15-17/37) Stamens short reflex. Clusters small.
(9/19-20/37) Foliage clean and good, but no fruit. Little
Cercospora.
(9/1/38) White grapes. Wonderfully fine foliage, clean
and free of disease. Vine vigorous but crop rather light.
Fruit very good.

Propagation: 76 cuttings bedded in G.H.#9 on 2/6/37
33 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted from G.H.#9 on 4/23/37

74 no growth, none rooted, 2 callused. Potted and placed
in G.H.#7

Cuttings from G.H.#7 lifted 4/22/37

27 no growth, 6 alive, none rooted, 4 callused. Potted and
placed with the others.

Of the above 5 survived and were planted in the lath house
on June 29, 1937.

5 plants lifted from lath house on 11/24/37. Of these,
2 plants were sent to Mr. Dearing at Willard, N. C., Jan. 1938
2 plants were sent to Mr. Loomis at Meridian, Miss. and
1 plant was put into a 6" pot Jan. 21/38.

One plant set in the vineyard on 6/28/38.

On Feb. 24, 1938 1 plant of this selection sent from Beltsville
was noted in the nursery row and 24 plants from layers at
Willard, N. C.

Selection B6 (16)

Vineyard location: B6 R1 V67

Parentage: (same as of B6 (15))

Description: White grape, very similar to B6 (15).
(6/15-17/37) not very strong vine, few clusters - no
flowers seen for study.
(9/19-20/37) Vine weak, affected by Cercospora.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37

Lifted from bed on 4/23/37

37 no growth, 3 alive, 1 rooted and 1 calussed. Potted
and placed in G. H.#7

1 plant set out in lath house on 6/29/37

1 plant lifted from lath house on 11/24/37. Put into 6" pot
and held in G. H. #7.

Planted in vineyard on 6/28/38

On Feb. 24, 1938 8 plants derived from layers at Willard, N. C.
were noted there in the nursery row.

Selection B6 (17)

Vineyard location: B6 R1 V70

Parentage: (same as B6 (15))

Description: Black grape, vigorous vine, berries large and of excellent quality. Shatters somewhat.
(6/15-17/37) Stamens nearly sessile. Few clusters.
(9/19-20/37) Vine vigorous but no fruit. Foliage fairly clean, little Cercospora.
(9/1/38) Fine vigorous vine, black grape, good sized berries, crop light. Stamens short.

Propagation: 37 cuttings bedded in G.H.#9 on 2/10/37.
53 ,, ,, ,, G.H.#7 ,, ,,

Lifted from bed in G.H.#9 on 4/23/37.

11 no growth, 26 alive, 2 rooted and 22 callused.

Lifted from bed in G.H.#7 on 4/22/37

35 no growth, 18 alive, 3 callused.

Rooted and callused plants potted and put into G.H.#7.

23 survivors of the above set in the lath house on 6/29/37

Of the above 21 were found alive on 11/24/37 and were lifted.

2 plants sent to L.E. Scott at the Sandhill Expt. Station, Columbia, S. C., 2 plants were sent to Mr. Loomis at the U.S.Hort. Station at Meridian, Miss. and 17 were sent to Mr. Dearing at Willard, N. C. 2 plants also sent to Dr. Gardner at Raleigh, N. C.

At Willard, N. C. on 2/24/38, 10 plants shipped from Beltsville and 5 derived from layers at Willard were noted in the nursery row.

Selection B6 (18)

Vineyard location: B6 R1 V75

Parentage: (same as B6 (15))

Description: White grape, vine vigorous, quality good but yield low.
(6/15-17/37) Stamens short, reflex. Few clusters.
(9/19-20/37) A good white grape, vine vigorous, seeds
separate readily. Some chlorosis, measles and Cercospora,
but not bad.
(9/1/38) Vine vigorous, white grape, pulp rather tough.
no flowers seen.

Propagation: 31 cuttings bedded in G.H.#9 on 2/8/37
56 ,, ,, G.H.#7 ,, ,,

No record of survivors in G.H.#9

Cuttings lifted from G.H.#7 on 4/22/37

47 no growth, 7 alive, none rooted, 1 callused. This one
potted, but did not survive.

On Feb. 24, 1938 15 plants derived from layers at Willard, N.C.
were noted there in the nursery row.

Selection B6 (19)

Vineyard location: B6 R1 V81

Parentage: (same as B6 (15))

Description: White grape, Crop light but of excellent quality.
(6/15-17/37) Medium, upright stamens, good clusters.
(9/19-20/37) White grape, good flavor, flesh tough. A lot of Cercospora on vine.
(9/1/38) Vine fairly vigorous. Berries pink, sweet spicy. Crop fair. Medium upright stamens.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
49 ,, ,, ,, G.H.#7 ,, 2/16/37

No record of survivors in G.H.#9
Cuttings lifted in G.H.#7 on 5/10/37
27 no growth, 22 alive, 4 rooted and 6 callused. Potted.

Of the above 18 survived and were set in the lath house on 6/29/37.

On 11/24/37 16 plants of the above were found alive and were lifted. Of these, 2 were sent to L. E. Scott at the Sandhill Station, Columbia, S. C., 2 were sent to Mr. ^{Loomis} Dearing at Meridian, Miss., 10 were sent to Mr. Dearing at Willard, N. C. and 2 were held at Beltsville. Of these, one was potted in 6" pot and held in G.H.#7, and the second potted and held in Darrow's cold house over the winter. Both of them survived and were set in the vineyard on 6/28/38.

(2 plants of this also sent to Dr. Gardner, Raleigh, N.C.)
At Willard, N. C. on Feb. 24, 1938, 7 plants sent from Beltsville and 13 propagated from layers at Willard, were noted there in the nursery row.

Selection B6 (21)

Vineyard location: B6 R2 V10

Parentage: (same as B6 (15))

Description: Black grape. Vine vigorous, bearing clusters of medium-sized berries. Persistent, and of good quality.
(6/15-17/37) Stamens medium reflex, fair clusters, few flowers now.
(9/19-20/37) Not much. Cercospora and Black Rot moderate.
(9/1/38) Good vigor. Heavy crop, black grape of good quality. Stamens medium reflex.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37.
56 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted from G.H.#9 on 4/23/37

32 no growth, 6 alive, 2 rooted and 2 callused. Potted and placed in G.H.#7.

Cuttings lifted in G.H.#7 on 4/22/37.

34 no growth, 22 alive, 1 rooted and 12 callused.

All callused and rooted plants potted and placed in G.H.#1

Of the above 13 were found alive on 8/29/37 and were set out in lath house.

12 plants survived and were lifted 11/24/37. Of these, 2 were sent to L. E. Scott at the Sandhill Station, Columbia, S.C., 2 were sent to Mr. Loomis at Meridian, Miss., 6 were sent to Mr. Dearing at Willard, N. C. and 2 were held at Beltsville. These were potted in 6" pots, one held in G.H.#1 and the other in Darrow's cold house over the winter. Both survived and were planted in the muscadine vineyard on 6/28/38. 2 plants also sent to Dr. Gardner, Raleigh, N.C.

At Willard, N. C. on Feb. 24, 1938, 4 of the plants sent from Beltsville and 6 derived from layers at Willard were noted growing in the nursery row.

Selection B6 (22)

Vineyard location: B6 R2 V11

Parentage: (same as B6 (15))

Description: White grape, vine very vigorous with good clusters of fairly persistent berries of good size and fine flavor.
(6/15-17/37) Stamens short, reflex. Few clusters.
(9/19-20/37) Fine fruit, excellent flavor, clean foliage.
(9/1/38) Fine vigor, crop rather light, fine quality.

Propagation: 37 cuttings bedded in G.H.#9 on 2/10/37
54 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted from G.H.#9 on 4/23/37
14 no growth, 20 alive, 5 rooted, 15 callused. Potted
and placed in G.H.#7

Cuttings lifted in G.H.#7 on 4/22/37
36 no growth, 18 alive, 1 rooted, 1 callused. Potted
and all placed in G.H.#7 that had rooted or callused.

On 6/29/37 15 survivors of the above were set out in the lath house, and on 11/24/37 all 15 were found alive and were lifted. Of these, 2 were sent to L. E. Scott at the Sandhill Station, Columbia, S. C., 2 were sent to Mr. Loomis at Meridian, Miss., 8 were sent to Mr. Dearing at Willard, N. C. and 2 were held to grow at Beltsville. Of these last after potting in 6" pots, one was put in G.H.#1 and the other in Darrow's cold house over winter.

Both were
One of the above survived and was planted in the muscadine vineyard at Beltsville on 6/28/38.

(2 plants of this also sent to Dr. Gardner, Raleigh, N.C.)
At Willard, N. C. on Feb. 24, 1939, 7 plants sent from Beltsville and 4 derived from layers were noted in the nursery row at Willard.

Selection B6 (23)

Vineyard location: B6 R2 V19

Parentage: Latham x V20 R36 B4 - an hermaphrodite derived from Morrison (V80 R3 B2) x V19 R7 B2 (an hermaphrodite from Eden x V23 R4 B. - the cross obtained by Mr. Cole by pollinating Eden with pollen from a Munsoniana vine (staminate).

Description: Black grape. Vigorous grower, small to medium-sized clusters, sprightly.
(6/15-17/37) Stamens reflex. Evidence of good crop.
(9/19-20/37) Not much. Some Cercospora and Black Rot.
(9/1/38) Vigorous, crop light, no flowers seen.

Propagation: 41 cuttings bedded in G.H.#9 on 2/10/37
61 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37
37 no growth, 4 alive, 1 rooted. Potted and placed in G.H.#7
Cuttings lifted in G.H.#7 on 5/10/37
51 no growth, 10 alive, 6 rooted, 4 callused. All rooted and callused plants potted and placed in G.H.#7

Of the above 1 plant survived and was set out in the lath house on 6/29/37.

The above plant was found alive on 11/24/37 and was lifted and put into a 6" pot and held in G.H.#7 over winter. It survived and was set out in the muscadine vineyard on 6/28/38.

At Willard, N. C. 8 plants of this selection obtained from layers at Willard were noted in the nursery row there.

Selection B6 (24)

Vineyard location: B6 R2 V24

Parentage: (same as B6 (23))

Description: White grape. Vine fairly vigorous, fair sized clusters of medium-sized berries. Quality fair.
(6/15-17/37) Stamens short, reflex. Clusters small.
(9/19-20/37) Not outstanding. Some "measles". Black Rot on fruit.
(9/1/38) Pink. Vine of moderate vigor - not outstanding.

Propagation: 37 cuttings bedded in G.H. #9 on 2/12/37
51 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
31 no growth, 6 alive, 1 rooted and 3 callused. Potted and placed in G.H.#7.

Cuttings lifted in G.H.#7 on 4/22/37.
27 no growth, 24 alive, 1 rooted, 18 callused. Potted rooted and callused plants and placed in G.H.#7

Of the above 18 survived and were set out in the lath house on 6/29/37. Of these 11 survived and were lifted on 11/24/37. 2 plants were sent to L. E. Scott at Sandhill Station, Columbia, S. C. 2 were sent to Mr. Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N. C. and 2 were held at Beltsville for study. These last were put into 6" pots, one placed in G.H.No. 7 and the other in Darrow's cold house over winter.

Both of the above plants survived and were planted in the muscadine vineyard on 6/28/38/

At Willard, N. C. 11 plants of this selection propagated there from layers were noted in the nursery row Feb. 24, 1938.

Selection B6 (25)

Vineyard location: B6 R2 V39

Parentage: (same as B6 (23))

Description: Late white grape. Vigorous vine, good foliage, good crop of persistent berries of good sprightly quality.
(6/15-17/37) Stamens long upright, good clusters, looks good.
(9/19-20/37) Vine vigorous, productive, fruit has fine flavor but flesh a bit tough. Considerable Cercospora but foliage is good in spite of it.
(9/1/38) Vigorous vine, heavy crop, quality very good. No flowers seen.

Propagation: 38 cuttings bedded in G.H.#9 on 2/10/37
50 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
12 no growth, 26 alive, 4 rooted and 17 callused.
Cuttings lifted in G.H.#7 on 4/22/37.
33 no growth, 17 alive, 1 rooted and 2 callused. All rooted and callused plants potted and put in G.H.#7.

Of the above 13 were found alive on 6/29/37 and were set out in the lath house. On 11/24/37 only 5 plants were found alive. 2 of these were sent to Mr. Loomis at Meridian, Miss. and 2 were put into 6" pots and held over the winter, one in G.H.#7 and the other in Darrow's cold house. These survived and were planted in the muscadine vineyard on 6/28/38.

On Feb. 24, 1938 5 plants of this selection derived from layers at Willard, N. C. were noted there in the nursery row.

Selection B6 (27)

Vineyard location: B6 R2 V46

Parentage: Latham x V36 R36 B4 - white hermaphrodite (V47 R9 B2(Stanford) x V19 R7 B2)

Description: White grape, very vigorous vine with good clusters of fair-sized berries. Sprightly and fair quality.
(6/15-17/37) Stamens nearly sessile. Clusters small.
(9/19-20/37) Not outstanding. crop light. Some Cercospora but not bad.
(9/1/38) Good vigor, white, fair crop. Berries medium size, fair quality but not outstanding. Stamens probably reflex.

Propagation: 73 cuttings bedded in G.H.#9 on 2/4/37
40 ,, ,, ,, ,, ,, 2/12/37
22 ,, ,, ,, G.H.#7 on 2/5/37
53 ,, ,, ,, ,, ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37

No record of the first lot of 73, apparently did not survive.

Of the second lot, 38 no growth, 2 alive, 1 rooted.

Cuttings lifted in G.H.#7 4/22/37

22 showed no growth

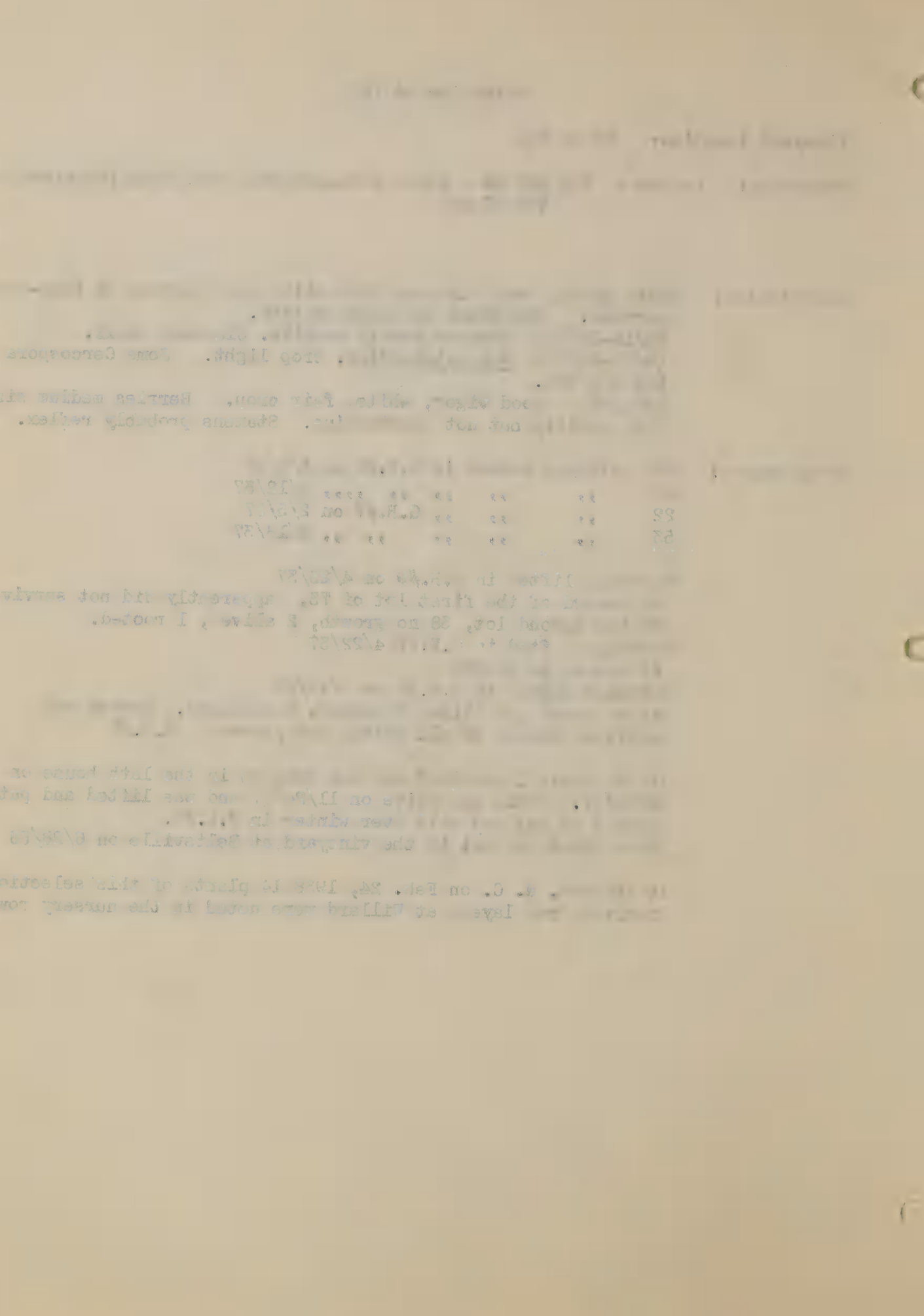
Cuttings lifted in G.H.#7 on 5/10/37

45 no growth, 3 alive, 2 rooted, 2 callused. Rooted and callused plants of all potted and placed in G.H.#7

Of the above 1 survived and was set out in the lath house on 6/29/37. This was alive on 11/24/37 and was lifted and put into a 6" pot and held over winter in G.H.#7.

This plant was set in the vineyard at Beltsville on 6/28/38

At Willard, N. C. on Feb. 24, 1938 14 plants of this selection derived from layers at Willard were noted in the nursery row.



Selection B6 (28)

Vineyard location: B6 R2 V55

Parentage: Luola x (Eden x V23 R4 B2 - a cross between Eden and a staminate Munsoniana vine made by Mr. Cole.)

Description: Black grape. Vigorous grower with fine clusters of medium sized berries. Crop heavy. Should make fine wine. (Luola characters strong in this seedling.)
(6/15-17/37) Stamens medium reflex, fair clusters.
(9/19-20/37) Good clusters of attractive fruit. Flavor good, rather acid. Cercospora severe.
(9/1/38) Good vigor, black fruit of moderate size, crop light, no flowers seen - not so much.

A juice was prepared from this on 9/23/36, pasteurized and stored at Willard, N. C. until 6/16/37 when it was opened.
Results: Amber color with cherry red tint, slight opalescence. Thin, rather acid, peculiar flavor. Not worth much.

Propagation: 37 cuttings bedded in G.H.#9 on 2/12/37
50 ,, ,, ,, G.H.#7 ,, 2/16/37

No record of survivors in G.H.#9. Apparently did not start.
Cuttings lifted from G.H.#7 on 5/10/37
34 no growth, 16 alive, 8 rooted, 1 callused. Potted and placed in G.H.#7

Of the above 4 survived and were planted in the lath house on 6/29/37. All survived and were lifted on 11/24/37/. 2 plants were sent to Mr. Loomis at Meridian, Miss. and the other 2 plants put into 6" pots. One was held in G.H.#7 and the other in Darrow's cold house over winter.

2 plants planted in the muscadine vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 13 plants derived from layers at Willard were noted in the nursery row.

Selection B6 (29)

Vineyard location: B6 R2 V59

Parentage: (same as B6 (28))

Description: Black grape. Vine vigorous, with fine compact clusters of fruit on long stems. Rather acid but quite juicy.
(6/15-17/37) No flowers seen, leaf spot bad. Not promising.
(9/19-20/37) No fruit. Probably out. Chlorosis, Black Rot, and Cercospora.
(9/1/38) No crop, no flowers.

Propagation: 66 cuttings bedded in G.H.#9 on 1/30/37
25 ,, ,, ,, G.H.#7 ,, 2/4/37

No record of survivors in G.H.#9
Cuttings lifted in G.H.#7 on 4/22/37
19 no growth, 6 alive, 3 rooted and 3 callused. Potted and placed in G.H.#7

On 6/29/37 all 6 plants were alive and were planted in lath house.

All survived and were lifted from lath house on 11/24/37.
2 plants sent to Mr. Loomis at Meridian, Miss., 2 were sent to Mr. Dearing at Willard, N. C. (aluminum tag 3956) and 2 were put into 6" pots at Beltsville. One of these held in G.H.#7 and the other in Darrow's cold house over winter. Both survived and were planted in the muscadine vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38 the 2 plants sent from Beltsville and 3 derived from layers at Willard were noted in the nursery row.

Selection B6 (30)

Vineyard location: B6 R2 V61

Parentage: (same as B6 (28))

Description: Black grape. Fine vigorous vine with heavy crop of medium sized berries in good clusters. Probably suited for juice and wine making.
(6/15-17/37) Stamens long upright. Fair clusters, some leaf spot.
(9/19-20/37) Heavy crop, good sized berries, attractive, pulp tender, flavor fair. Foliage rather badly affected by Cercospora.
(9/1/38) Dead, or nearly so.

A juice was prepared from this grape on 9/23/36, pasteurized and stored at Willard, N. C. until 6/16/37 when it was opened.
Result: Considerable sediment, about like #28 in appearance but less of the cherry red color. Thin, very little aroma, rather acid, not pleasant in flavor.

Propagation: 32 cuttings bedded in G.H.#7 on 2/8/37

Cuttings lifted in G. H. #7 on 4/22/37
26 no growth, 6 alive, 1 rooted, 3 callused. Potted and placed in G.H.#7.

Of the above, 4 survived and were planted in the lath house on 6/29/37. Three of these survived and were lifted on 11/24/37. 2 plants put into 6" pots, one left in G.H.#7 and the other held in Darrow's cold house over winter.

One plant survived and was planted in the muscadine vineyard at Beltsville on 6/28/38/

At Willard, N. C. on 2/24/38, 6 plants derived from layers at Willard were noted in the nursery row there.

Selection B6 (33)

Vineyard location: B6 R2 V74

Parentage: Luola x V10 R15 B4 - hermaphrodite (Eden x V23 R4 B2 - a cross made by Mr. Cole between Eden and a staminate Munsoniana vine.

Description: Black grape. Vine vigorous, bearing good clusters of fairly tart berries with good flavor. Should be good for manufactures. (6/15-17/37) Vine rather weak, good fruit clusters, stamens upright(?).
No record for 9/19-20/37.
(9/1/38) Vine vigorous but no crop.

Prppagation: 30 cuttings bedded in G.H.#9 on 2/8/37

Lifted cuttings on 4/23/37

29 no growth, 1 rooted. Potted and held in G.H.#7 ~~over-winter~~

Set in the lath house on 6/29/37

Survived and was lifted and put into 6" pot and held in G.H.#7 over winter.

Planted in muscadine vineyard on 6/28/38.

At Willard, N. C. on 2/24/38, 2 plants of this selection derived from layers were noted in the nursery row there.

Selection B6 (34)

Vineyard location: B6 R2 V76

Parentage: (same as B6 (33))

Description: Black grape, similar in character to B6 (33)
(6/15-17/37) Stamens short, reflex. Fairly good clusters.
(9/19-20/37) Not outstanding. "measles", Black Rot on fruit.
(9/1/38) Moderate vigor, crop very light.

Propagation: 40 cuttings bedded on 2/10/37
57 ,, ,, ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
17 no growth, 23 alive, 17 rooted and 3 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
47 no growth, 10 alive, 1 rooted, 3 callused. Potted and
all potted plants put into G.H.#7.

Of the above, 23 plants survived and were set out in the lath house on 6/29/37. Of these 22 survived and were lifted on 11/24/37. 2 plants sent to L.E.Scott, at Sandhill Station, Columbia, S. C., 2 plants sent to Mr. Loomis at Meridian, Miss., 2 plants sent to Dr. Gardner at Raleigh, N. C., 2 plants put into 6" pots for use at Beltsville and the remainder sent to Mr. Dearing at Willard, N. C.

Of the plants put into 6" pots, one was held in G.H.#7 and the other in Darrow's cold house over the winter. These survived and were planted in the muscadine vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 12 plants sent from Beltsville and 2 plants derived from layers at Willard were noted in the nursery row.

Selection B6 (35)

Vineyard location: B6 R2 V77

Parentage: (same as B6 (33))

Description: Black grape, similar to B6 (34) but with larger berries. Good crop.

(6/15-17/37) Good clusters, early. No flowers on this date.

(9/19-20/37) Very attractive clusters, tender skin and flesh, seeds separate readily, rather good.

(9/1/38) Crop light, not yet ripe, stamens reflex.

Propagation: 10 cuttings bedded in G.H.#9 on 2/12/37

None survived.

At Willard, N. C. on 2/24/38, 5 plants of this selection derived from layers there were noted in the nursery row.

Selection B6 (36)

Vineyard location: B6 R2 V79

Parentage: (same as B6 (33))

Description: Black grape, vine vigorous with heavy crop of very persistent berries. Quality good.
(6/15-17/37) Stamens medium, reflex, few flowers, some leaf spot.
(9/19-20/37) Melting flesh, acidity rather high, seeds separate readily from pulp. Berry good sized, persistent, rather good.
(9/1/38) Crop very light. Stamens medium reflex.

Propagation: 35 cuttings bedded in G.H.#9 on 2/10/37
55 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
22 no growth, 13 alive, 7 rooted and 3 callused. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
33 no growth, 22 alive, 7 rooted and 3 callused. Potted and
all potted plants placed in G.H.#7

Of the above, 19 survived and were planted in the lath house on 6/29/37. Of these, 18 were found alive on 11/24/37 when they were lifted. 2 plants sent to L. E. Scott, Sandhill Station, Solumbia, S. C., 2 were sent to Mr. Loomis at Meridian, Miss. 2 were sent to Dr. Gardner at Raleigh, N. C., 2 were put into 6" pots for use at Beltsville, and the remainder sent to Mr. Dearing at Willard, N. C.

Of those held at Beltsville, one was held in G.H.#7 and the other in Darrow's cold house over the winter. One of these survived and was planted in the muscadine vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 7 plants sent from Beltsville and three derived from layers at Willard were noted in the nursery row.

Selection B6 (42)

Vineyard location: B6 R3 V18

Parentage: Luola x V36 R15 B4 (Eden x V23 R4B2 - cross by Mr Cole between
Eden and a staminate Munsoniana vine)

Description: Black grape. Vine vigorous, fruit borne in good clusters
as persistent small berries. Pulp very tender, quality fine.
(6/15-17/37) Stamens upright, large clusters. Looks good.
(9/19-20/37) Good crop. Very juicy and nice, fruit hangs on
well - good grape. Considerable Cercospora.
(9/1/38) Fine vigor, fair crop, berries medium sized, not
quite ripe yet. Stamens upright.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
42 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G. H. #9 on 4/23/37
31 no growth, 7 alive, 3 rooted and 3 callused. Potted.
Cuttings in G.H.#7 lifted 5/10/37
25 no growth, 17 alive, 13 rooted. Potted and all potted
plants put into G.H.#7

On 6/30/37 seventeen survivors were planted in the lath house.

On 11/24/37 fifteen plants were found alive and were lifted.
Of these, 2 were sent to L.E.Scott, Sandhill Station, Columbia,
S.C., 2 were sent to Mr. Loomis at Meridian, Miss., 2 were
sent to Dr. Gardner, Raleigh, N. C., 2 were reserved for use
at Beltsville, and the remainder sent to Mr. Dearing at
Willard, N. C. (aluminum tag 3953).

Those plants reserved at Beltsville were put into 6" pots and
one held in G.H.#7 and the other in Darrow's cold house.
Both survived and were planted in the muscadine vineyard unit
on 6/28/38.

At Willard, N. C. on 2/24/38 seven plants shipped from Beltsville
and 21 grown from layers at Willard were noted in the nursery
row.

Selection B6 (44)

Vineyard location: B6 R3 V24

Parentage: Luola x V4 R27 B4(hermaphrodite) - Thomas x V19 R7 B2 (hermaphrodite
from Eden x V23 R4 B2 - the result of a cross by Mr. Cole
between Eden and a staminate Munsoniana vine)

Description: White grape. Vine very vigorous, fruit borne in fair clusters.
Persistent. Quality fine.
(6/15-17/37) Good vine, stamens long upright, clusters not
quite so large as in B6 (42), but good. Looks good.
(9/19-20/37) Good crop. Fruit spicy and sweet, a bit tough.
Cercospora bad.
(9/1/38) White, fair crop, late. Good vigor, stamens long
upright.. Flavor good.

Propagation: 68 cuttings bedded 1/29.37 in G.H.#9
22 ,, ,, 2/4/37 ,, G.H.#7

No record of survivors in G.H.#9
Cuttings in G.H.#7 lifted 4/22/37
19 no growth, 3 alive, 1 rooted Potted and put in G.H.#7

The above plant planted in lath house 6/30/37

This survived and was lifted 11/24/37 and put in a 6" pot
and was held over winter in G.H.#7.

Planted in muscadine vineyard unit on 6/28/38.

At Willard, N. C. on 2/24/38 twenty plants of this selection
grown from layers were noted in the nursery row.

Selection B6 (49)

Vineyard location: B6 R3 V41

Parentage: (same as B6 (44))

Description: Black grape, good clusters of fair sized berries, sprightly, quality good. Persistent.
(6/15-17/37) Rather weak. No flowers seen.
(9/19-20/37) Weak vine. Fruit of good flavor but not outstanding. Probably will be thrown out.
(9/1/38) Black grape, berries large, crop light, no flowers seen.

Propagation: 36 cuttings bedded in G.H.#9 on 2/8/37

Cuttings lifted in G.H.#9 on 4/23/37

35 no growth, 1 rooted. Potted and put into G.H.#7

This plant survived and was planted in the lath house 6/30/37.

This was alive on 11/24/37 and was lifted, put into a 6" pot and held over winter in G.H.#7. Planted in muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C. six plants of this selection grown from layers at Willard were noted in the nursery row.

Selection B6 (50)

Vineyard location: B6 R3 V42

Parentage: (same as B6 (49))

Description: Black grape, vigorous grower, good clusters of persistent fruit of good flavor.
(6/15-17/37) Stamens sessile or nearly so, clusters rather small.
(9/19-20/37) Flavor good but not outstanding. Considerable Cercospora and Black Rot.
(9/1/38) No record.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
50 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
25 no growth, 13 alive, 8 rooted and 3 callused. Potted.
Cuttings in G.H.#7 lifted 4/22/37
38 no growth, 12 alive, 5 rooted and 4 callused. Potted, and all plants put into G.H.#7

Of the above, 17 plants survived and were planted in the lath house on 6/30/37.

On 11/24/37 sixteen plants were found alive and were lifted.
2 plants were sent to L. E. Scott at Sandhill Station, Columbia, S.C., 2 were sent to Mr. Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were reserved for use at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C. (aluminum tag 3952).

The 2 plants reserved for Beltsville were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over winter. Both survived and were planted in the muscadine vineyard unit on 6/28/38.

At Willard, N. C. nine plants sent from Beltsville and 13 grown from layers at Willard were noted in the nursery row.

Selection B6 (52)

Vineyard location: B6 R3 V47

Parentage: Luola x V20 R36 B4(hermaphrodite - from V80 R3 B2 (Morrison) x
V19 R7 B2 (herm. from Eden x V23 R4 B2 (cross by Mr. Cole
between Eden and staminate Munsoniana vine)).

Description: White grape. Vine very vigorous, good clusters of grapes of
medium size, attractive, persistent, good quality.
(6/15-17/37) Stamens short reflex. Clusters small.
(9/19-20/37) Good but not outstanding. We have better grapes.
Considerable Cercospora, some Black Rot. Probably will be
discarded.
(9/1/38) Good vigor, small crop, berries small.

Propagation: 23 cuttings bedded in G.H.#9 on 2/5/37

Cuttings lifted from G.H.#7 on 4/22/37
21 no growth, 2 alive, 1 callused.

Did not survive.

At Willard, N. C. on 2/24/38 ten plants derived from layers at
Willard were noted in the nursery row.

Selection B6 (54)

Vineyard location: B6 R3 V55

Parentage: (same as B6 (52))

Description: White grape. Vine very vigorous, bearing good clusters of attractive grapes. Flesh melting, quality fair to good. Rather tart.
(6/15-17/37) Stamens medium reflex, good vine, medium clusters.
(9/19-2-/37) Pulp very tender, acid. Vine vigorous, good sized berries. Considerable Cercospora, little Black Rot.
(9/1/38) White, good sized berries, flesh melting but acid. Vine vigorous, fair crop.

Propagation: 69 cuttings bedded in G.H.#9 on 1/29/37
23 ,, ,, ,, G.H.#7 ,, 2/4/37

No record of survivors in G.H.#9

Cuttings lifted in G.H.#7 on 4/22/37

20 no growth, 3 alive, 2 callused. Potted and put in G.H.#7

One plant survived and was set out in lath house on 6/30/37

This plant was alive on 11/24/37 and was lifted and put in 6" pot. Held over winter in G.H.#7. It survived and was planted in the muscadine vineyard unit on 6/28/38.

At Willard, N. C. on 2/24/38 thirty plants of this selection grown from layers at Willard were noted in the nursery row.

Selection B6 (56)

Vineyard location: B6 R3 V60

Parentage: (same as B6 (52))

Description: Black grape. Vine vigorous and bearing a heavy crop, fruit persistent, rather tart, but thought to be good for manufacture, possibly.
(6/15-17/37) Stamens long upright, good clusters, looks good.
(9/19-20/37) Good crop, persistent, very fine flavor. Some Cercospora and chlorosis.
(9/1/38) Good vigor, good crop, medium sized fruit, quality good. No flowers seen.

Propagation: 39 cuttings bedded in G.H.#9 on 2/12/37
54 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
22 no growth, 17 alive, 7 rooted and 4 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
23 no growth, 27 alive, 8 rooted and 9 callused. Potted and all potted plants put in G.H.#7.

On 6/30/37 twenty-two plants were found alive and were planted in the lath house.

Of the above 20 survived and were lifted from lath house on 11/24/37. " plants were sent to L. E. Scott at Sandhill Station, ~~Charles~~ Columbia, S. C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were held for use at Beltsville, and the remainder sent to Mr. Dearing at Willard, N. C. (metal tag No.3951). Of those held at Beltsville, one was held in G.H.#7 and the other in Darrow's cold house over the winter in 6" pots. Neither of them survived the winter.

At Willard, N. C. on 2/24/38, eleven plants sent from Beltsville and 13 plants derived from layers were noted in the nursery row there.

11/1/57
(11/1/57)

Five vigorous and bearing a heavy crop.
Plants rather dark, but thought to be good for
possibly.
Stems long and thin, good olives, good
good crop, somewhat, very fine flavor, good
no chlorosis.
Good vigor, good crop, not at all fruit, good
no flowers seen.

55 cuttings buried in G.H. on 2/12/57
G.H. 57

Cuttings lifted in G.H. on 4/12/57
22 no growth, 12 alive, 7 rooted and a salinated.
Cuttings lifted in G.H. on 4/12/57
22 no growth, 12 alive, 8 rooted and a salinated. Potted
all potted plants put in G.H.

On 8/30/57 twenty-two plants were found alive and were also
in the house.

Of the above 20 survived and were lifted from both houses on
11/24/57. "Plants were sent to L. H. House at Sandhill
from, Charles Columbia, S. C. 2 were sent to W. H. House
at Sandhill, Miss. 2 were sent to Dr. Gardner at Sandhill,
2 were held for use at Sandhill, and the remainder sent
to W. H. House at Sandhill, S. C. (total 40, 2021). Of the
held at Sandhill, one was held in G.H. 57 and the other
2 were held over the winter in G.H. 57. Neither
one survived the winter.

At W. H. House, S. C. on 2/24/58, eleven plants sent from Sandhill
and 12 plants buried from house were noted in the house.

Selection B6 (57)

Vineyard location: B6 R3 V68

Parentage: (same as B6 (52))

Description: Late white grape - to be checked later for quality.
(6/15-17/37) Stamens medium reflex, clusters rather small.
(9/19-20/37) Not outstanding - some Cercospora and Black Rot.
(9/1/38) White, late, fine vigor of vine and good crop. No flowers seen.

Propagation: No propagation done at Beltsville on this selection as no wood was sent from Willard, N.C.

At Willard, N. C. on 2/24/38, 10 plants of this selection derived from layers at Willard were noted in the nursery row.

Selection B6 (58)

Vineyard location: B6 R3 V69

Parentage: (same as B6 (52))

Description: Black grape. Vigorous grower with heavy crop. Clusters good. Sprightly and of good flavor. Probably good for manufacture.
(6/15-17-37) Stamens medium reflex. Medium clusters.
(9/19-20/37) Not outstanding. Cercospora bad.
(9/1/38) Vine vigorous, crop good, late, berries medium in size. No flowers seen.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37
50 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37

36 no growth, 4 alive, 1 rooted and 1 callused. Potted.

Cuttings lifted in G.H.#7 on 4/22/37

38 no growth, 12 alive, 1 rooted and 9 callused. Potted and all plants put in G.H.#7

Of the above 5 plants were found alive on 6/30/37 and were set out in the lath house. All survived and were lifted on 11/24/37/. Two plants of these were sent to N.H.Loomis at Meridian, Miss., 2 were held at Beltsville for use and the other plant was sent to Mr. Dearing at Willard, N.C. (metal tag 3949).

The 2 plants held at Beltsville were potted in 6" pots, one held in G.H.#7 and the other in Darrow's cold house over winter. Both survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38 the one plant sent from Beltsville and one derived from layering was noted in the nursery row there.

Plants with heavy crop. Clusters
Probably good for seed. Not
overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.

Plants with heavy crop. Clusters
Probably good for seed. Not
overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.

Plants with heavy crop. Clusters
Probably good for seed. Not
overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.

Plants with heavy crop. Clusters
Probably good for seed. Not
overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.

Plants with heavy crop. Clusters
Probably good for seed. Not
overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.

Plants with heavy crop. Clusters
Probably good for seed. Not
overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.
Not overabundant. Medium clusters.

Selection B6 (60)

Vineyard location: B6 R3 V85

Parentage: Luola x V36 R36 B4(white hermaphrodite -- V47 R9 B2(Stanford) x V19 R7 B2(hermaphrodite from Eden x V23 R4 B2, a cross by Mr. Cole between Eden and a staminate Munsoniana vine.))

Description: Black grape. Vine vigorous with good foliage and large clusters of large black berries. Attractive in appearance, quality good, berries persistent. Good yield.
(6/15-17/37) All wood layered for propagation. No flowers seen.
(9/19-20/37) Vine vigorous, not much fruit. Some Cercospora and Black Rot.
(9/1/38) Good vigor, good foliage, berries large, crop light. Not outstanding.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37
31 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37
23 no growth, 17 alive, 15 rooted and 2 callused. Potted.
Cuttings lifted in G.H.#7 on 5/10/37
18 no growth, 13 alive, 13 rooted. Potted and all potted plants put in G.H.#7

Of the above 21 were alive on 6/30/37 and were set in the lath house. Twenty of these survived and were lifted from the lath house on 11/24/37. Two plants were sent to L.E.Scott at Sandhill Station, Columbia, S.C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were held at Beltsville, and the remainder sent to Mr. Dearing at Willard, N. C.(metal tag # 3950).

The 2 plants held at Beltsville were put into 6" pots, one held in G. H. #7 and the other in Darrow's cold house over winter. Both survived and were planted in the muscadine vineyard on 6/28/38.

At Willard, N. C. on 2/24/38, twelve plants sent from Beltsville and 15 others derived from layers were noted in the nursery row.

Selection B6 (61)

Vineyard location: B6 R4 V13

Parentage: San Alba x V22 R15 B4(hermaphrodite from Eden x V23 R4 B2 (cross by Mr. Cole between Eden and staminate Munsoniana vine.)).

Description: Black grape. Vine of moderate vigor with good crop of medium-sized grapes. Persistent. Should be good for juice.
(6/15-17/37) Stamens short, reflex. Vine in medium vigor, clusters small.
(9/19-20/37) Nothing outstanding. Cercospora bad.
(9/1/38) Heavy crop, late, black grape.
(On Sept. 23, 1936 a sample of juice was prepared from this selection, which was very easy to harvest, but the sample molded in storage and no reading on it could be obtained.)

Propagation: 37 cuttings were bedded in G.H.#9 on 2/12/37.
These were lifted on 4/23/37 but detailed records seem not to have been made. From them, however, 3 plants were set out in the lath house on 6/30/37. They survived and were lifted on 11/24/37. Two were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over winter. Both came through the winter all right and were planted in the muscadine vineyard unit on 6/28/38.

At Willard, N. C. on 2/24/38, three plants derived from layers were noted in the nursery row there.

TOPEKA, KANSAS 66601

TOPEKA, KANSAS 66601
TOPEKA, KANSAS 66601
TOPEKA, KANSAS 66601

On 1/15/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

On 1/20/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

On 1/25/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

On 2/1/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

On 2/15/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

On 2/20/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

On 2/25/47, vines of moderate vigor with good crop of small
green grapes. Leaves short, reflex. Vines in medium vigor.

Selection B6 (61a)

Vineyard location: B6 R4 V20

Parentage: San Alba x V36 R15 B4(hermaphrodite - Eden x V23 R4 B2 (crosses
by Mr. Cole between Eden and a staminate Munsoniana vine.)

Description: White grape. Good crop of medium-sized berries. Quality good.
(6/15-17/37) Stamens upright, fine large clusters, looks good.
(9/19-20/37) Heavy crop. Melting flesh, quality fair. Some
Cercospora. (Dearing likes this better than I do.)
(9/1/38) Vine rather weak. Good crop - late- berries medium
sized, no flowers seen.

Propagation: 28 cuttings bedded in G.H.#9 on 2/12/37
26 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37
27 no growth, 1 alive, but showed neither roots nor callus and
was discarded.

Cuttings in G.H.#7 lifted on 5/10/37
16 no growth, 10 alive, 3 rooted and 1 callused. Potted, and
placed in G.H.#7.

were

All 4 of the above plants survived and ~~was~~ planted in the lath
house on 6/30/37. They were lifted on 11/24/37. Two plants
were sent to N.H. Loomis at Meridian, Miss. and the other two
were put into 6" pots. These were held over winter, one in
G.H.#7 and the other in Darrow's cold house. They survived
and were planted in the muscadine vineyard unit on 6/28/38.

At Willard, N. C. on 2/24/38, 2 plants of this selection that
had been grown from layers were noted in the nursery row.

Selection B6 (62)

Vineyard location: B6 R4 V30

Parentage: (same as B6 (61a))

Description: Black grape. Vine of medium vigor with fair-sized clusters of good-sized berries of fine eating quality.
(6/15-17/37) Past bloom. Clusters small.
(9/19-20/37) Light bearer, late, good and sweet. Black Rot rather bad, some Cercospora.
(9/1/38) Large black grape of good quality. Good vigor of vine. Crop light.

Propagation: 40 cuttings bedded in G.H.#9 on 2/8/37
24 ,, ,, ,, G.H.#7 ,, ,,

All cuttings in G.H.#9 failed and were discarded.
Cuttings lifted in G.H.#7 on 4/22/37 but none were rooted or callused. Discarded.

At Willard, N. C. on 2/24/38, four plants of this selection grown from layers were noted in the nursery row.

Selection B6 (63)

Vineyard location: B6 R4 V33

Parentage: San Alba x V4 R27 B4(hermaphrodite - Thomas x V19 R7 B2(Eden x V23 R4 B2 - a cross by Mr. Cole between Eden and a staminate vine of Munsoniana.)).

Description: Late white grape. Vine vigorous. To be checked later for quality.
(6/15-17/37) - (no record)
(9/19-20/37) Late, good clean flavor - probably worth saving.
Some Cercospora and Black Rot.
(9/1/38) Late, white, vigorous grower, fair crop. No flowers seen.

Propagation: 39 cuttings bedded in G.H.#9 on 2/12/37
49 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37
35 no growth, 4 alive, 2 callused, none rooted. Potted.
Cuttings lifted in G.H.#7 on 5/10/37.
39 no growth, 10 alive, 4 rooted and 2 callused. Potted and all potted plants put into G.H.#7.

Of the above, 4 plants survived and were planted in the lath house on 6/30/37. Three of these were alive on 11/24/37 and were lifted. Two of these were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over winter. Both survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, ten plants of this selection from layer propagation were noted in the nursery row.

Selection B6 (64)

Vineyard location: B6 R4 V38

Parentage: (same as B6 (63))

Description: Late black grape - to be checked later for quality.
(6/15-17/37) Stamens medium reflex. Clusters rather small.
(9/19-20/37) Rather late, sweet, rich flavor - good. Vine
in rather poor condition. Bitter Rot on foliage.
(9/1/38) Late black.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
54 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
32 ~~alive~~ no growth, 6 alive, but none rooted or callused, and so
discarded.

Cuttings in G.H.#7 lifted 4/22/37
45 no growth, 9 alive, 1 callused, none rooted. Potted the
callused plant but it did not survive.

At Willard, N.C. on 2/24/38, five plants of this selection grown
from layers were noted in the nursery row.

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Selection B6 (66)

Vineyard location: B6 R4 V44

Parentage: (same as B6 (63))

Description: Late white grape. Vine vigorous, berries persistent and of fair size.
(6/15-17/37) Anthers nearly sessile. Good vine. Early.
(9/19-20/37) Good, but not outstanding, rather tough pulp. Foliage good but some Cercospora. We have better selections than this.
(9/1/38) Very vigorous, white, light crop, late. Think it will be of good quality when ripe. No flowers seen.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
54 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
33 no growth, 5 alive, 1 rooted and 1 callused. Potted.
Cuttings in G.H.#7 lifted 4/22/37
49 no growth, 5 alive, callused. none rooted Potted and all potted plants placed in G.H.#7

Of the above, 2 plants survived and were set out in the lath house on 6/30/37. These were found alive on 11/24/37 and were lifted. They were put into 6" pots and held over the winter, one in G.H.#7 and the other in Darrow's cold house. They survived and were planted in the muscadine vineyard unit at Beltsville 6/28/38.

At Willard, N. C. on 2/24/38, 15 plants of this selection grown from layers were noted in the nursery row.

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Selection B6 (68)

Vineyard location: B6 R4 V54

Parentage: (same as B6 (63))

Description: Late black grape. Fair-sized clusters of persistent fruit.
To be checked later for quality.
(6/15-17/37) Fair fruit clusters. No flowers seen.
(9/19-20/37) Not outstanding. Persistent, fairly good flavor.
Considerable Cercospora.
(9/1/38) Vigorous, heavy crop, none ripe, no flowers seen.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
46 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37
None showed growth and were discarded.

Cuttings lifted in G.H.#7 on 5/10/37
41 no growth, 5 alive, 2 callused none rooted. Potted and
placed in G.H.#7

Of the above, 4 were alive on 6/30/37 and were set out in lath
house. Two of these survived and were lifted on 11/24/37
(This selection looks like a hybrid).

The surviving 2 plants were put into 6" pots, one held in G.H.#7
and the other in Darrow's cold house over the winter. They
were planted out in the muscadine vineyard unit at Beltsville
on 6/28/38.

At Willard, N. C. on 2/24/38, 8 plants of this selection grown
from layers were noted in the nursery row.

*Beltsville
Plant
Material*

Selection B6 (70)

Vineyard location: B6 R4 V57

Parentage: (same as B6 (63))

Description: Late black grape. Good clusters. To be checked later for quality.

(6/15-17/37) Not much to see. Fair clusters.

(9/19-20/37) Quality good. Some Black Rot.

(9/1/38) Moderate vigor, black, very late.

Propagation: 41 cuttings bedded in G.H.#9 on 2/12/37

28 ,, ,, ,, G.H. #7,, ,,

Cuttings lifted in G.H.#9 on 4/23/37

40 no growth, 1 alive, 1 callused, none rooted. Potted.

Cuttings lifted in G.H.#7 on 4/22/37

16 no growth, 12 alive, 7 callused, none rooted. Potted and all potted plants placed in G.H.#7

Of the above, 8 plants survived and were set out in the lath house on 6/30/37. These survived and were lifted on 11/24/37

Two plants were sent to Mr. Loomis at Meridian, Miss. and the other 2 were put into 6" pots. One of these was held in G.H.#8 and the other in Darrow's clod house over the winter. They were planted in the Beltsville muscadine unit on 6/28/38.

At Willard, N. C., 4 plants grown from layers there were noted in the nursery row on 2/24/38.

Selection B6 (71)

Vineyard location: B6 R4 V60

Parentage: (same as B6 (63))

Description: Late white grape. Vine vigorous, bearing heavy crop of medium-sized persistent berries. To be checked later for quality.
(6/15-17/37) Stamens medium reflex, clusters rather small.
(9/19-20/37) Mediocre, or better. Considerable Cercospora and Black Rot and bitter rot on the fruit.
(9/1/38) Late white, moderate vigor.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
45 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37

Only 1 left alive and this had neither roots nor callus. Discarded.

Cuttings lifted in G.H.#7 on 4/22/37

40 no growth, 5 alive, 1 callused, none rooted. Potted and placed in G.H.#7 but it did not survive.

At Willard, N. C. 3 plants of this selection grown from layers at Willard were noted in the nursery row on 2/24/38.

Selection B6 (72)

Vineyard location: B6 R4 V68

Parentage: San Alba x V20 R36 B4(hermaphrodite from V80 R3 B2(Morrison) x
V19 R7 B2 - hermaphrodite from Eden x V23 R4 B2(cross
by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: Late white grape. Vine vigorous, bearing a good crop of medium-
sized berries. To be checked later for quality.
(6/15-17/37) Stamens short, reflex. Medium clusters.
(9/19-20/37) Flesh tough. We have better grapes. Some
Cercospora.
(9/1/38) Good vigor, good crop, late, no flowers seen.

Propagation: 60 cuttings bedded in G.H.#9 on 1/30/37
20 ,, ,, ,, G.H.#7 ,, 2/4/37

No record of survivors in G.H.#9

Cuttings lifted in G.H.#7 on 4/22/37

18 no growth, 2 alive, 2 beginning callus formation. Potted,
and placed in G.H.#2.

Of the above, 1 plant survived and was planted in the lath house on
6/30/37. This was lifted on 11/24/37 and put in a 6" pot and
held in G.H.#7 over the winter. It was planted in the Beltsville
muscadine vineyard unit on 6/28/38.

At Willard, N. C. on 2/24/38, two plants of this selection grown
from layers were noted in the nursery row.

From V80 22 23 (Morrison) x
V80 22 23 (Morrison) x
V80 22 23 (Morrison) x
V80 22 23 (Morrison) x

From V80 22 23 (Morrison) x
V80 22 23 (Morrison) x
V80 22 23 (Morrison) x
V80 22 23 (Morrison) x

in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37

in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37
in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37

in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37
in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37

in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37
in C.R. 40 on 1/20/37
O.R. 40 on 1/20/37

Selection B6 (73)

Vineyard location: B6 R4 V70

Parentage: (same as B6 (72))

Description: Late white grape. Vine vigorous with fair crop. Pulp melting.
Quality to be checked later.
(6/15-17/37) Stamens short reflex. Clusters small.
(9/19-20/37) Good flavor.
(9/1/38) Late white, good vigor, none ripe.

Propagation: 41 cuttings bedded on 2/12/37 in G.H.#9
52 ,, ,, ,, ,, ,, G.H.#7

Cuttings lifted in G.H.#9 on 4/23/37
38 no growth, 4 alive, 1 rooted and 1 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
21 no growth, 31 alive, 7 rooted and 9 callused. Potted and
all potted plants put in G.H.#7

Of the above, 9 plants survived and were planted in the lath house on 6/30/37. Of these, 8 were alive on 11/24/37 and were lifted. Two plants were sent to N.H.Loomis at Meridian, Miss., 2 were reserved for trial at Beltsville, and the rest were sent to Mr. Dearing at Willard, N. C. (metal tag #3946).

The 2 plants reserved for Beltsville were potted in 6" pots, one placed in G.H.#7 and the other in Darrow's cold house over the winter. The survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38 4 plants of those sent from Beltsville, and 1 plant obtained from layers at Willard were noted in the nursery row.

Selection B6 (73a)

Vineyard location: B6 R4 V71

Parentage: (same as B6 (72))

Description: White grape. Vine vigorous, with fine crop of berries borne in good clusters. Flesh melting. Rather acid.
(6/15-17/37) Stamens short, reflex. Fair clusters.
(9/19-20/37) Fine appearance, very tender flesh, fairly acid.
A beautiful grape. very persistent. Some Cercospora and Black Rot.
(9/1/38) No record.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37
50 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37

36 no growth, 4 alive, 1 callused, none rooted

Cuttings lifted in G.H.#7 on 4/22/37

30 no growth, 20 alive, 2 rooted and 7 callused. Potted and placed in G.H.#7

Of the above, 5 plants survived and were planted in the lath house on 6/30/37. These lived and were lifted on 11/24/37. Two plants of these were sent to N.H.Loomis at Meridian, Miss. and the others (2 of them) put into 6" pots. One was held in G.H.#7 and the other in Darrow's cold house over winter. They survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, 4 plants of this selection grown from layers were noted in the nursery row.

Selection B6 (74)

Vineyard location: B6 R5 V16

Parentage: San Rubra x V68 R14 B4(Eden x V23 R4 B2(cross by Mr. Cole
between Eden and a staminate Munsoniana vine))

Description: Black grape. Moderate vigor, fine clusters of good-sized
berries, persistent, flavor good.
(6/15-17/37) Rather weak. No flowers seen.
(9/19-20/37) No fruit. Cercospora, chlorosis and Black Rot
noted.
(9/1/38) Vine rather weak. Fruit black, good.

Propagation: 29 cuttings bedded in G.H.#9 on 2/10/37
52 ,, ,, ,, G.H.#7 ,, 2/2/37

Cuttings lifted in G.H.#9 on 4/23/37
18 no growth, 11 alive, 2 callused, none rooted. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
48 no growth, 4 alive, 1 callused, none rooted. Potted the
callused cutting, which together with the one above were
held in G.H.#7.

The 2 plants survived and were planted in the lath house on
6/30/37. One survived and was lifted on 11/24/37. and put
into a 6" pot and held over the winter in G.H.#7. It was
planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, one plant of this selection grown
from a layer was noted in the nursery row.

100-100000-100000

100-100000-100000 (crossed by Mr. Cole)
(100-100000-100000)

Vine rather weak. Fruit black good.

100-100000-100000
100-100000-100000

100-100000-100000, none rooted. 100-100000-100000.
100-100000-100000, none rooted. 100-100000-100000.

100-100000-100000, none rooted. 100-100000-100000.
100-100000-100000, none rooted. 100-100000-100000.

100-100000-100000, none rooted. 100-100000-100000.
100-100000-100000, none rooted. 100-100000-100000.

Selection B6 (75)

Vineyard location: B6 R5 V24

Parentage: (same as B6 (74))

Description: Black grape, vine fairly vigorous bearing good clusters of good-sized berries. Persistent, good crop. To be checked later.
(6/15-17/37) Not much to see.
(9/19-20/37) Good clusters, medium-sized berries, but acid and not much flavor. Cercospora bad.
(9/1/38) Vine rather weak, black, late grape.

Propagation: 61 cuttings bedded in G.H.#7 on 2/10/37

Cuttings lifted on 4/22/37

54 no growth, 7 alive, 3 rooted and 2 callused. Potted and placed in G.H.#7

Six plants survived and were planted in the lath house on 6/30/37. They came through the summer all right and were lifted on 11/24/37. 2 plants sent to N. H. Loomis at Meridian, Miss., 2 were sent to Mr. Dearing at Willard, N. C. and the others were put into 6" pots. One was held in G.H.#7 and the other in Darrow's cold house over winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38 the 2 plants sent from Beltsville and 1 plant obtained from a layer were noted in the nursery row.

1941-1942

1941-1942

... bearing good crops of ... To be checked later. ... Not much to see. ... Good crop, well mixed berries, but cold. ...

... 4/22/42 ... 7 alive, rooted and 2 collapsed. ...

... were planted in ... and were lifted in 11/ ... to N. ... and the others were put into ... One was held in G.H. ... and the other in ... house over winter. ... at Belleville 4/23/42.

At ... N.C. in 4/24/42 the 2 plants are from Belleville ... from a layer were noted in the nursery.

Selection B6 (76)

Vineyard location: B6 R5 V26

Parentage: (same as B6 (74))

Description: Black grape. Vine vigorous, heavy crop, medium to small-sized berries in good clusters, persistent. Apparently fine for juice and wine. To be checked again later.
(6/15-17/37) Not much to see.
(9/19-20/37) Like B6 (75) but sweeter. Cercospora bad. Not so much.
(9/1/38) Late black, good crop. Stamens reflex.

(A juice sample was prepared from this grape on 9/23/36, bottled and pasteurized and stored at Willard, N. C. until 6/16/37 when it was examined. Result: light orange tint, opalescent and moderate amount of sediment. Without distinctive flavor.)

Propagation: 71 cuttings bedded in G.H.#9 on 2/4/37
23 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
70 no growth, 1 alive, 1 rooted. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
23 no growth.

The single plant survived and was planted in the lath house on 6/30/37 and on 11/24/37 was lifted and put into a 6" pot and held over the winter in G.H.#7. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 7 plants of this selection grown from layers were noted in the nursery row.

Selection B6 (77)

Vineyard location: B6 R5 V36

Parentage: San Rubra x V22 R15 B4(hermaphrodite -Eden x V23 R4 B2(cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: White grape. Vine vigorous with an abundance of fruit of medium quality.
(6/15-17/37) Stamens medium upright, fair clusters.
(9/19-20/37) Pink or reddish grape of good flavor but rather tough. Cercospora bad.
(9/1/38) Vigorous, white, good clusters, medium-sized berries, persistent.

Propagation: 76 cuttings bedded in G.H.#9 on 2/4/37
23 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
1 callused cutting only. Potted.

Cuttings in G.H.#7 lifted 4/22/37
20 no growth, 3 alive, 1 callused, none rooted. Potted and both above potted cuttings placed in G.H.#7.

The 2 plants survived and were planted in the lath house on 6/30/37. One of these was alive on 11/24/37 and was lifted and put in a 6" pot. It was held over winter in G.H.#7 and planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C. 9 plants of this selection grown from layers were noted in the nursery row there on 2/24/38.

Mr. Cole between Eden and a staminate *Myrsine* vine
x V22 R15 B4 (hermaphrodite - Eden x V22 R15 B4) crossed by

Vine vigorous with an abundance of fruit of
medium size, greenish yellow, fair cluster,
(9/19-20/87) pink or reddish tinge of good flavor but rather
stringy, seedling B4.
(9/1/88) Vigorous, white, good clusters, medium-sized berries

Plants in 1st house on 1/24/87
Plants in 2nd house on 4/28/87
Plants in 3rd house on 4/28/87
Plants in 4th house on 4/28/87
Plants in 5th house on 4/28/87
Plants in 6th house on 4/28/87
Plants in 7th house on 4/28/87
Plants in 8th house on 4/28/87
Plants in 9th house on 4/28/87
Plants in 10th house on 4/28/87

Plants survived and were planted in the 1st house on
1/24/87. One of these was alive on 1/24/87 and was listed
in a 6" pot. It was held over winter in G.R.W. and
planted in the macedonia vineyard with 20 Betteville on 6/28/87.
At 11:00, A.C. 2 plants of this selection grown from layer
were noted in the nursery row there on 2/24/88.

Selection B6 (78)

Vineyard location: B6 R5 V43

Parentage: (same as B6 (77))

Description: Pink grape. Vine vigorous bearing a good crop of fair clusters. Berries small. Resembles the Delaware in looks and flavor although the clusters are smaller and the fruit more seedy.
(6/15-17/37) Vigorous vine. No flowers seen.
(9/19-20/37) Vine vigorous, berries about like B6 (77) but crop smaller. Cercospora heavy and some Black Rot.
(9/1/38) Pink grape, very vigorous vine, crop light, berries small but of good quality. High in tannin. No flowers seen.

Propagation: 72 cuttings bedded in G.H.#9 on 2/4/37
25 ,, ,, ,, G.H.#7 ,, ,,

Cuttings in G.H.#9 lifted on 4/23/37
71 no growth, 1 alive, 1 rooted. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
22 no growth, 3 alive, none rooted or callused.

There were no survivors of this selection at Beltsville.

At Willard, N.C. on 2/24/38, 13 plants of this selection grown from layers were noted in the nursery row there.

Selection B6 (79)

Vineyard location: B6 R5 V57

Parentage: (same as B6 (77))

Description: Pink grape. Vine vigorous bearing good clusters of small pink berries, about like those of B6 (78)
(6/15-17/37) Stamens short, reflex. Vine vigorous.
(9/19-20/37) Pink grape of fair quality, of value for breeding probably. Some Cercospora.
(9/1/38) Small red, vine vigorous but foliage somewhat diseased.

Propagation: 39 cuttings bedded in G.H.#9 on 2/10/37
55 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
14 no growth, 25 alive, 4 rooted and 14 callused. Potted
Cuttings in G.H.#7 lifted on 4/22/37
45 no growth, 10 alive, 1 callused, none rooted. Potted and
all potted plants placed in G.H.#7.

From the above, 17 surviving plants were planted in the lath house on 6/30/37, and of these 13 were alive on 11/24/37 when they were lifted. 2 plants were sent to L.E.Scott at Columbia, S.C. 2 were sent to N.H.Loomis at Meridian, Misss, 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were held at Beltsville for trial and the remainder sent to Mr. Dearing at Willard, N.C. (metal tag #3947). Those reserved for test at Beltsville were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. Both survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C., 5 plants sent from Beltsville and 6 derived from layers were noted in the nursery row on 2/24/38.

Plants listed on 170

Plants listed on 170

Plants listed on 170

Plants listed on 170

Plants listed on 170

Plants listed on 170

Selection B6 (80)

Vineyard location: B6 R5 V63

Parentage: San Rubra x V36 R15 B4(hermaphrodite - Eden x V23 R4 B2(cross made by Mr. Cole between Eden and a staminate Munsoniana vine)).

Description: Black grape of medium size, good clusters, berries persistent. Quality good. Should be fine for manufactures.
(6/15-17/37) Stamens reflex. Vine vigorous.
(9/19-20/37) Small black grape of value probably for juice - otherwise too small to be of use. Considerable Cercospora and some Black Rot.
(9/1/38) Black, very vigorous, late, medium crop, stamens reflex.

Propagation: 34 cuttings bedded in G.H. #9 on 2/8/37
55 ,, ,, ,, G.H.#7 on ,,

Cuttings lifted in G.H.#9 on 4/23/37

32 no growth, 2 alive, 1 rooted. Potted.

Cuttings lifted in G.H.#7 on 4/22/37

49 no growth, 6 alive, 2 rooted. Potted, and potted plants put in G.H.#7.

One plant survived and was planted in the lath house on 6/30/37. This was lifted on 11/24/37, put into a 6" pot and placed in G.H.#7 over the winter. It was planted in the muscadine vineyard unit on 6/28/38.

At Willard, N.C. on 2/24/38, 6 plants of this selection grown from layers were noted in the nursery row.

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Selection B6 (81)

Vineyard location: B6 R5 V73

Parentage: (same as B6 (80))

Description: Black grape. Vine vigorous with full crop of fairly persistent berries of fine quality.
(6/15-17/37) Stamens reflex, fair clusters, vine vigorous.
(9/19-20/37) Sweet, juice grape possibly - otherwise out.
Cercospora bad.
(9/1/38) Very vigorous, good crop, foliage diseased. Fruit shrivelling on the vine.

Propagation: 70 cuttings bedded in G.H.#9 on 1/30/37
23 ,, ,, ,, G.H.#7 ,, 2/4/37

Cuttings lifted in G.H.#9 on 4/23/37
69 no growth, 1 alive, 1 rooted. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
No survivors.

The one plant was planted in the lath house on 6/30/37 and it survived and was lifted on 11/24/37, put into a 6" pot, held in G.H.#7 over the winter and was planted in the muscadine vineyard unit at Beltsville on 6/30/38.

At Willard, N.C. on 2/24/38, 16 plants of this selection grown from layers at Willard were noted in the nursery row.

Number of plants in the
selection (see p. 10)

Good crop of fairly persistent
fruit.
Vine vigorous.
Juice grapes possibly - otherwise not.
Fruit
Good crop, foliage diseased. Fruit
on the vine.

Plants in 8.4.43 on 1/20/37
as 8.4.43 on 2/4/37

Plants lifted in 8.4.43 on 4/23/37
Plants in 8.4.43 on 4/23/37
Plants in 8.4.43 on 4/23/37

The one plant in the last house on 6/30/37 and
it survived and lifted on 11/14/37, put into a 3rd pot.
Plants in the last house on 6/30/37 and
it survived and lifted on 11/14/37, put into a 3rd pot.

Plants in 8.4.43 on 2/24/38, 18 plants of this selection grown
from layers at Willard were noted in the nursery row.

Selection B6 (82)

Vineyard location: B6 R5 V79

Parentage: San Rubra x V4 R27 B4(hermaphrodite - Thomas x V19 R7 B2(hermaphrodite from Eden x V23 R4 B2(cross by Mr Cole between Eden and a staminate Munsoniana vine))).

Description: Pink grape. Vine of fair vigor with large crop of small berries. Flavor good.
(6/15-17/37) Stamens long upright. Good clusters, medium vigor.
(9/19-20/37) Heavy crop, small red berries, of value for breeding only. Cercospora bad.
(9/1/38) Vine rather weak. Heavy crop, berries small. Not outstanding for quality.

Propagation: 62 cuttings bedded in G.H.#9 on 2/4/37

There were no survivors in the Beltsville trials

At Willard, N.C. on 2/24/38, 4 plants of this selection were noted in the nursery row, these having been grown from layers.

Selection B6 (83)

Vineyard location: B6 R6 V14

Parentage: (V47 R9 B2- Stanford) x (V10 R15 B4-hermaphrodite(Eden x V23 R4 B2 - a cross by Mr. Cole between Eden and a staminate Munsoniana vine)) (see earlier records in Washington files for the parentage of "Stanford")

Description: Black grape. Vine of moderate vigor, good foliage, good clusters of persistent berries of good size and good, clean, sprightly flavor.
(6/15-17/37) Stamens upright, good clusters, medium vigor.
(9/19-20/37) Heavy crop of large berries but of no particular outstanding quality. Foliage nearly gone, which may account for it. Cercospora.
(9/1/38) Vine weak, little fruit, quality fair.

Propagation; 36 cuttings bedded in G.H. #9 on 2/10/37
29 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37

30 no growth, 6 alive, 1 rooted (weak) and 2 callused. Potted.

Cuttings in G.H.#7 lifted on 4/22/37)

28 no growth, 1 alive but neither rooted nor callused.

Of the above, 1 plant survived and was planted in the lath house on 6/30/37. This was alive and was lifted on 11/24/37, put into a 6" pot and placed in G.H.#7 for holding over the winter. This survived and was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 3 plants of this selection grown from layers there were noted in the nursery row.

Standard - 2000 (VIO 215 24-hormonophyllous) (215 x 175 in)
cross of Mr. Cole between 1928 and a separate Washington
vine) (see earlier records in Washington files for the
purpose of standard)

Standard - 2000 (VIO 215 24-hormonophyllous) (215 x 175 in)
cross of Mr. Cole between 1928 and a separate Washington
vine) (see earlier records in Washington files for the
purpose of standard)

Standard - 2000 (VIO 215 24-hormonophyllous) (215 x 175 in)
cross of Mr. Cole between 1928 and a separate Washington
vine) (see earlier records in Washington files for the
purpose of standard)

Standard - 2000 (VIO 215 24-hormonophyllous) (215 x 175 in)
cross of Mr. Cole between 1928 and a separate Washington
vine) (see earlier records in Washington files for the
purpose of standard)

Standard - 2000 (VIO 215 24-hormonophyllous) (215 x 175 in)
cross of Mr. Cole between 1928 and a separate Washington
vine) (see earlier records in Washington files for the
purpose of standard)

Standard - 2000 (VIO 215 24-hormonophyllous) (215 x 175 in)
cross of Mr. Cole between 1928 and a separate Washington
vine) (see earlier records in Washington files for the
purpose of standard)

Selection B6 (84)

Vineyard location: B6 R6 V21

Parentage: (V47 R9 B2-"Stanford" (see earlier Washington files for the identity of "Stanford")) x V36 R15 B4(Eden x V23 R4 B2(cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: Black grape. Vine of fair vigor, good foliage and fine crop of berries of medium to good size in medium-sized clusters. Persistent and of good quality. Late.
(6/15-17/37) No flowers seen clusters rather small.
(9/19-20/37) Good vigor of vine, very little fruit but of good flavor. Cercospora moderate, and some chlorosis.
(9/1/38) Vigorous, fruit black, good crop of good sized berries, skin leathery, flavor good, flesh rather tough, no flowers seen. (Look again at this!)

Propagation: 33 cuttings bedded in G.H.#9 on 2/10/37
50 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
18 no growth, 15 alive, 3 rooted and 4 callused. Potted
Cuttings in G.H.#7 lifted on 4/22/37
45 no growth, 5 alive but none rooted or callused.

Five plants survived and were set out in the lath house on 6/30/37. These were all alive on 11/24/37 when they were lifted. 2 plants were sent to N.H.Loomis at Meridian, Miss., 1 was sent to Mr. Dearing at Willard, N.C. and the other two were put into 6" pots, one held in G.H.#7 and the other in Darrow's old house over the winter, and both were planted in the muscadine vineyard at Beltsville on 6/28/38.

At Willard, N. C. on 2/24/38, the plant sent from Beltsville and 13 derived from layers at Willard were noted in the nursery row.

of fair size, good foliage and fine crop
of good size in medium-sized clusters.
of good quality. 100-
in flower seen clusters rather small.
and vigor. 100-
of good quality, and some clusters.
of fair size, good foliage and fine crop
of good size in medium-sized clusters.
of good quality. 100-
in flower seen clusters rather small.
and vigor. 100-
of good quality, and some clusters.

Planted in 100 on 2/10/87
at 100 on 2/10/87

Planted in 100 on 4/23/87
at 100 on 4/23/87
Planted in 100 on 4/23/87
at 100 on 4/23/87

Planted in 100 on 4/23/87
at 100 on 4/23/87
Planted in 100 on 4/23/87
at 100 on 4/23/87
Planted in 100 on 4/23/87
at 100 on 4/23/87

Planted in 100 on 4/23/87
at 100 on 4/23/87
Planted in 100 on 4/23/87
at 100 on 4/23/87

Selection B6 (86)

Vineyard location: B6 R6 V35

Parentage: (V47 R9 B2-"Stanford"(see earlier Washington file records for parentage of this) x (V20 R36 B4- hermaphrodite from V80 R3 B2 (Morrison) x V19 R7 B2- hermaphrodite from Eden x V23 R4 B2 (cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: White grape. Vigorous vine with good foliage and good clusters of late, persistent berries of good size. Should be valuable for manufactures.
(6/15-17/37) Stamens probably reflex. Medium clusters.
(9/19-20/37) Tough, not much to recommend it. We have lots of better ones. Considerable Cercospora yet the vine is doing well.
(9/1/38) Vigorous, good crop, good flavor though fruit is not quite ripe. Flesh a bit tough.

Propagation: 78 cuttings bedded in G.H.#9 on 2/4/37
24 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37

77 no growth, 1 alive, 1 callused. Potted.

Cuttings lifted in G.H.#7 on 4/22/37

16 no growth, 8 alive, 4 beginning callus formation. Potted.
and potted plants put in G.H.#7.

Of the above, 4 plants survived and were planted in the lath house on 6/30/37. One of these lived and was lifted on 11/24/37. It was put into a 6" pot and held over winter in G.H.#7. It survived and was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 10 plants of this selection grown at Willard from layers were noted in the nursery row.

Selection B6 (88)

Vineyard location: B6 R6 V48

Parentage: (V6 R19 B3 - parentage uncertain(Dearing)) x V62 R14 B4 - Eden x
V23 R4 B2(cross by Mr. Cole between Eden and a staminate
Munsoniana vine)

Description: Late black grape. Vigorous vine with fine clusters of berries
of medium size, persistent, fine flavor. Should be good for
manufactures.
(6/15-17/37) Stamens medium upright, big crop, looks good.
(9/19-20/37) Fine crop, attractive fruit, good vine, good clusters,
pleasing flavor but lacking acid. Keep for breeding for sweetness
and productiveness.
(9/1/38) Late black grape, good crop, stamens upright.

Propagation: 85 cuttings bedded in G.H.#9 on 2/4/37
25 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted from G.H.#9 on 4/23/37
82 no growth, 3 alive, 2 rooted, 1 callused. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
23 no growth, 2 alive, 1 rooted. Potted and all potted
plants placed in G.H.#7.

Of the above, 4 plants survived and were planted in the lath
house on 6/30/37. They were lifted on 11/24/37, 2 plants
sent to N.H.Loomis at Meridian, Miss. and the other two put
into 6" pots. One of these was held in G.H.#7 and the other
in Darrow's cold house over the winter. These were planted
in the muscadine vineyard unit at Beltsville on 6/30/38.

At Willard, N.C. 9 plants of this selection grown from layers at
Willard were noted in the nursery row on 2/24/38.

... (bearing) x VGS R15 B4 - When x
... between them and a staminate

... Vigorous vine with fine clusters of berries
... persistent, fine flavor. Should be good for

... (men's medium weight, big crop, looks good.
... attractive fruit, good vine, good air
... Keep for breeding for some

... grapes, good crop, staminate variety.

... in C.H. 88 on 8/4/37
... 8/4/37

... lifted from C.H. 88 on 8/4/37
... growth, 7 alive, 2 rooted, 1 collapsed. Rooted.
... on 8/4/37
... 7 alive, 1 rooted. Rooted and all covered

... survived and were planted in the last
... were lifted on 11/24/37, 2 plants
... Mass., and the other two were
... there was held in C.H. 88 and two others
... over the winter. These were planted
... at Belleville on 8/30/38.

... of this selection grown from layers
... 8/24/38.

Selection B6 (90)

Vineyard location: B6 R6 V55

Parentage: (same as B6 (88))

Description: Late black grape. Vine vigorous, good clusters of fruit.
Should be good for manufactures.
(6/15-17/37) Stamens short, reflex. Good clusters.
(9/19-20/37) Small fruit, not much character. "Measles" bad.
some Cercospora. Out.
(9/1/38) Small late black grape, good crop. Reflex stamens.
Not ripe enough yet to judge quality.

Propagation: 67 cuttings bedded in G.H.#9 on 1/30/37
25 ,, ,, ,, G.H.#7 ,, 2/4/37

No record of survivors in G.H.#9
Cuttings lifted in G.H.#7 on 4/22/37
23 no growth, 2 alive, none started.

At Willard, N.C. on 2/24/38, 8 plants of this selection were
noted in the nursery row, having been grown from layers.

Selection B6 (90b)

Vineyard location: B6 R6 V57

Parentage: (same as B6 (88))

Description: Late black grape. Vine vigorous, good clusters. Should be good for manufactures.
(6/15-17/37) Stamens short, reflex. Good clusters.
(9/19-20/37) Fair size. good vigor of vine, not outstanding.
some Cercospora.
(9/1/38) No record

Propagation: 75 cuttings bedded in G.H.#9 on 2/4/37
24 ,, ,, ,, G.H.#7 ,, 2/5/37

No record of survivors in G.H.#9
Cuttings lifted in G.H.#7 on 4/22/37
23 no growth, 1 alive, 1 callused. Potted.

This selection did not survive at Beltsville

At Willard, N.C. on 2/24/38, 3 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (91)

Vineyard location: B6 R6 V62

Parentage: (same as B6 (88))

Description: Vigorous vine, heavy crop, good clusters of small black berries.
A late black grape suitable for manufactures, apparently.
(6/15-17/37) Stamens medium reflex, fairly good clusters.
(9/19-20/37) Fine crop, rather small, not much on flavor, chief value probably for juice. Foliage most gone - not enough to mature fruit. Cercospora bad.
(9/1/38) Rather weak, but good crop, late, no flowers seen.

Propagation: 54 cuttings bedded in G.H.#9 on 2/4/37

Cuttings lifted on 4/23/37

53 no growth, 1 alive, 1 callused. Potted and planed in G.H.#7

This plant survived and was planted in the lath house on 6/30/37
On 11/24/37 this plant was alive and was lifted and put into a 6" pot and held over the winter in G.H.#7. The plant was set out in the muscadine nursery at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 8 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (93)

Vineyard location: B6 R6 V75

Parentage: (same as B6 (88))

Description: Black grape. Vine vigorous, good clusters of persistent, good-sized berries of good flavor. Should be good for juice, wine and other manufactures.
(6/15-17/37) No record.
(9/19-20/37) No good except possibly for juice. Seeds prominent. "Measles" and some Cercospora.
(9/1/38) Vigorous, fair crop, medium small berries, stamens short.

(A juice sample was prepared from this grape on 9/23/36, pasteurized and stored at Willard, N.C. until 6/16/37 when it was opened and sampled. Result: An amber colored juice with pinkish tint, opalescent, sprightly, almost like apple, slight bouquet, rather good. Rated as 2d best in the group of 18 prepared.) (The chemical analysis of this juice showed the following: Balling at $24\frac{1}{2}^{\circ}\text{C.}$, 15.0%
Acidity, 0.82%
Refractive Index 1.3605
Tannin, .031 gm per 100cc.)

Propagation: 75 cuttings bedded in G.H.#9 on 2/4/37
25 ,, ,, ,, G.H.#7 ,, 2/5/37

Cuttings lifted in G.H.#9 on 4/23/37
74 no growth, 1 alive, 1 rooted. Potted.
No record of survivors of cuttings in G.H.#7

The surviving plant mentioned above was planted out in the lath house on 6/30/37 and was lifted and placed in a 6" pot for greenhouse storage on 11/24/37. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 16 plants of this selection grown from layers were noted in the nursery row.

Selection B6 (94)

Vineyard location: B6 R6 V80

Parentage: (same as B6 (88))

Description: Black grape. Vigorous vine with good foliage. Good clusters of medium-sized grapes of good quality. Should be good for juice and other manufactures.
(6/15-17/37) Stamens long, upright. Fine clusters. Looks good.
(9/19-20/37) Fine crop, good vigor, good quality, worth while.
Bad case of "measles" but doing fairly well.
(9/1/38) Black, fair-sized berried, good crop, pulp tender, good flavor.
(A sample of juice was prepared from this grape on 9/23/36 which was tested on 6/16/37. Results: amber in color, nearly clear, rather good, sweet.)

Propagation:

71 cuttings bedded in G.H.#9 on 2/4/37
13 ,, ,, ,, G.H.#7 ,, 2/5/37

Cuttings lifted in G.H.#7 on 4/23/37
69 no growth, 2 alive, 2 callused. Potted.
None of the cuttings survived in G.H.#7, and those potted did not succeed.

At Willard, N. C. on 2/24/38, 5 plants of this selection grown from layers were noted in the nursery row.

Selection B6 (97)

Vineyard location: B6 R7 V16

Parentage: Uncertain, as Mr. Dearing failed to record the cross. It was, however, the result of a cross between two of Mr. Dearing's seedlings.

Description: Late black grape. Vigorous vine with heavy crop of good clusters of good-sized berries. Quality fair. Should be valuable for manufactures.
(6/15-17/37) Stamens medium, reflex. Large clusters. Should be valuable for breeding.
(9/19-20/37) Nothing outstanding. Considerable Cercospora and some Black Rot.
(2/1/38) Vigorous vine, black grape, good bunches, good crop - not yet ripe. Appears fairly good at this stage.

Propagation: 79 cuttings bedded in G.H.#9 on 2/4/37
22 ,, ,, ,, G.H.#7 ,, 2/5/37

None of these cuttings succeeded either in rooting or callusing and no plants were derived from these trials .

At Willard, N.C. on 2/24/38, 4 plants of this selection grown from layers were noted in the nursery row.

Selection B6 (98)

Vineyard location: B6 R7 V23

Parentage: Uncertain, as Mr. Dearing failed to record the cross. It was derived from a cross between two of Mr. Dearing's seedlings.

Description: Late pink grape. Vigorous vine with fair clusters of berries of good quality.
(6/15-17/37) Stamens upright., good clusters, good vine, looks good.
(9/19-20/37) Small pink grape, seedy, persistent, fair quality.
(9/1/38) Late pink grape, vine moderately vigorous, fair crop, berries small.

Propagation: 38 cuttings bedded in G.H.#9 on 2/8/37

None of these survived.

At Willard, N.C. on 2/24/38, 7 plants of this selection grown at Willard from layers were noted in the nursery row.

Selection B6 (99)

Vineyard location: B6 R7 V41

Parentage: (V6 R19 B3 - parentage uncertain (Dearing)) x (V22 R15 B4- hermaphrodite Eden x V23 R4 B2 (cross of Mr. Cole between Eden and a staminate Munsoniana vine)).

Description: Black grape. Vigorous vine with abundant foliage. Good clusters of small, black, juice grapes which should be fine for manufacture. (6/15-17/37) Stamens long, upright, good clusters, good vine, Looks good!
(9/19-20/37) Fine vigorous vine, heavy crop, good clusters, sweet and fine. Much Cercospora.
(9/1/38) Heavy crop on fairly vigorous vine, berries small, quality fair but not outstanding.
(A juice sample was prepared from this grape on 9/23/36, pasteurized and stored at Willard, N.C. until 6/16/37 when it was opened and tested. Result: Clear, dark sherry-reddish in color and very attractive. Heavy sediment. Flavor poor, sweet, no acid, disappointing.)

Pro pagation:
(see below)

72 cuttings bedded in G.H.#9 on 1/30/37
23 ,, ,, ,, G.H.#7 ,, 2/4/37

None survived in G.H.#9
Cuttings in G.H.#7 lifted on 4/22/37
19 no growth, 4 alive, 2 callused, none rooted. Potted and placed in G.H.#7. They did not live.

At Willard, N.C. on 2/24/38, 6 plants of this selection were noted in the nursery row having been grown from layers there.

Selection B6 (100)

Vineyard location: B6 R7 V51

Parentage: (V6 R19 B3 - parentage uncertain (Dearing)) x (V36 R15 B4 -hermaphrodite from Eden x V23 R4 B2 (cross by Mr. Cole between Eden and a staminate Munsoniana vine.))

Description: Black grape. Vigorous vine with abundant foliage. Good clusters of berries of medium size, persistent. A late grape with fine flavor. Should be good for juice and other manufactures.
(6/15-17/37) Stamens medium, reflex. Medium clusters, fine vine.
(9/19-20/37) Vigorous but not so good as B6 (101) below, and not so much fruit.. Cercospora abundant.
(9/1/38) No record. (Juice sample showed about as B6 (99).

Propagation: 69 cuttings bedded in G.H.#9 on 1/30/37
21 ,, ,, ,, G.H.#7 ,, 2/4/37

Cuttings lifted from G.H.#9 on 4/23/37

63 no growth, 6 alive, 5 rooted and 1 callused. Potted.

Cuttings lifted in G.H.#7 on 4/22/37

15 no growth, 6 alive, 2 rooted and 3 callused. Potted and app potted plants put into G.H.#7.

Note

(There appears to have been some mixup with this selection as 38 plants recorded as being of this were planted in the lath house on 6/30/37. Of these only 14 were lifted on 11/24/37. 2 plants were sent to L.E.Scott at Sandhill Station, Columbia, S.C., 2 were sent to Mr. Loomis at Meridian, Miss. 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were held at Beltsville for trial and the remainder sent to Mr. Dearing at Willard, N.C. (metal tag # 3944)).

The 2 plants reserved for use at Beltsville were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 6 plants sent from Beltsville and 9 plants grown from layers at Willard were noted in the nursery row.

Selection B6 (101)

Vineyard location: B6 R7 V53

Parentage: (same as B6 (100))

Description: Black grape. Vigorous vine, abundant foliage, good clusters of medium-sized berries, persistent, late. Fine flavor for juice, sweet.
(6/15/17/37) Stamens long upright., fine large clusters, fine appearance!
(9/19-20/37) Abundant crop, sweet, good quality - fine! Some Cercospora, but on the whole fairly clean.
(9/1/38) No record.
(A juice sample was prepared from this grape on 9/23/36, pasteurized and stored at Willard, N.C. until 6/16/37 when it was opened and examined. Result: Amber juice, slight opalescence, moderate sediment, sweet pleasant, distinctive bouquet, rather good. Chemical analysis of this juice gave the following results:

Balling at $24\frac{1}{2}^{\circ}\text{C.}$	19.5%
Acidity	0.40%
Refractive index	1.3693
Tannin	0.033 gm per 100 cc

Propagation: 29 cuttings bedded in G.H.#9 on 2/10/37
29 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
15 no growth, 14 alive, 8 rooted and 3 callused. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
19 no growth, 10 alive, 1 callused, none rooted. Potted and all potted plants placed in G.H.#7.

Of the above, 11 plants came through and were planted in the lath house on 6/30/37. 9 of these survived and were lifted on 11/24/37. 2 plants were sent to N.H.Loomis at Meridian, Miss., 2 were held for study at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C. Those held at Beltsville were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. These survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N. C., on 2/24/38, 6 plants sent from Beltsville and 7 grown from layers at Willard were noted in the nursery row.

Selection B6 (102)

Vineyard location: B6 R7 V72

Parentage: (V6 R19 B3 - parentage uncertain(Dearing)) x (V20 R36 B4- hermaphrodite V80 R3 B2 (Morrison) x V19 R7 B2- from Eden x V23 R4 B2(cross made between Eden and a staminate Munsoniana by Mr. Cole.)).

Description: Pink grape, Vigorous vine with good clusters of berries of fair quality.
(6/15-17/37) Stamens long, upright, fine large clusters, looks good!
(9/19-20/37) Purplish red, persistent, good flavor, sweet, worth while. Some "measles", Cercospora and chlorosis.
(9/1/38) White, good vigor and good crop, late. Believe this will prove a good late white grape.

Propagation: 74 cuttings bedded in G.H.#9 on 2/4/37

Cuttings lifted on 4/23/37.

73 no growth, 1 alive, 1 callused. Potted and held in G.H.#7

This plant put out in lath house on 6/30/37. This survived but was a poor plant when lifted on 11/24/37. It did not survive.

At Willard, N.C. on 2/24/38, 7 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (103)

Vineyard location: B6 R7 V75

Parentage: (same as B6 (102))

Description: White grape. Vigorous vine with good clusters of persistent berries. Late. Should be good for manufactures.
(6/15-17/37) No flowers suitable to study stamens -probably reflex. Medium clusters.
(9/19-20/37) Vigorous vine, fruit sweet but not outstanding. We have better selections. Some Cercospora and Black Rot.
(9/1/38) Promising white grape, very vigorous, good crop, good-sized berries.

Propagation: 38 cuttings bedded in G.H.#9 on 2/10/37
52 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
18 no growth, 20 alive, 14 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
40 no growth, 12 alive, 12 callused. Potted and all
potted plants put in G.H.#7.

Of these, 8 survived and were planted in the lath house of 6/30/37.

On 11/24/37 only one of these plants was found alive. It was lifted and put in a 6" pot for the winter. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 4 plants of this selection grown from layers there were noted in the nursery row.

Selection B6 (104)

Vineyard location: B6 R8 V2

Parentage: (V6 R19 B3 - parentage uncertain (Dearing)) x (V36 R36 B4 - white hermaphrodite from V47 R9 B2(Stanford) x V19 R7 B2 - hermaphrodite from Eden x V23 R4 B2(cross by Mr Cole between Eden and a staminate Munsoniana vine))

Description: White grape. Vigorous vine, fair clusters of medium-sized berries. Quality good.
(6/15-17/37) Stamens long, upright, vigorous, medium clusters.
(9/19-20/37) Little fruit, but sweet and of fair quality.
Not outstanding. Cercospora.
(9/1/38) Vigorous, white, heavy crop, late, but believe this will be worth while. stamens long upright.

Propagation: 71 cuttings bedded in G.H.#9 on 2/4/37
23 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
68 no growth, 3 alive, 3 callused. Potted.
No survivors in G.H.#7

Of the above, 2 rooted and were set out in the lath house on 6/30/37. These lived and were lifted on 11/24/37 and put into 6" pots. One was held in G.H.#7 and the other in Darrow's child house over the winter. One of these survived and was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 10 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (104a)

Vineyard location: B6 R8 V6

Parentage: (same as B6 (104))

Description: White grape of good quality.
(6/15-17/37) No flowers seen, medium vigor.
(9/19-20/37) No crop at all. "Measles".
(9/1/38) Moderately vigorous, white, late, little fruit this season. No flowers seen.

Propagation: 36 cuttings bedded in G.H.#9 on 2/10/37
29 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
26 no growth, 10 alive, 2 rooted and 5 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
26 no growth, 3 alive, 1 callused. Potted and all potted plants placed in G. H.#7.

Of the above, 5 plants survived and were planted in the lath house on 6/30/37. These were all alive on 11/24/37 when all were lifted, though one was a poor vine. Two of these vines were sent to Mr. N.H.Loomis at Meridian, Miss. and the others were put into 6" pots and held at Beltsville for trial. One was held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 3 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (106)

Vineyard location: B6 R8 V16

Parentage: (same as B6 (104))

Description: White grape. Vigorous vine, fruit of good quality.
(6/15-17/37) Stamens short, reflex, few flowers, rather weak.
(9/19-20/37) Very weak, no fruit, "measles" and Black Rot considerable. Probably out.
(9/1/38) Nearly dead.

Propagation: 25 cuttings bedded in G.H.#9 on 2/10/37

Cuttings lifted on 4/23/37

15 no growth, 10 alive, 1 rooted (weak), and 3 callused. Potted.

Of these, 1 plant survived and was planted in the lath house on 6/30/37. This was alive on 11/24/37 and was lifted and put into a 6" pot for wintering over in the G.H.#7. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 4 plants grown there from layers were noted in the nursery row.

Selection B6 (107)

Vineyard location: B6 R8 V23

Parentage: (same as B6 (104))

Description: White grape having vigorous vine with fine foliage. Clusters of good size, berries persistent, quality good.
(6/15-17/37) Stamens medium reflex, clusters few and small.
(9/19-20/37) Fair quality but not outstanding. Little Cercospora and trace of Black Rot. Otherwise good.
(9/1/38) Very vigorous, white, good crop, good berries. Looks good!

Propagation: 73 cuttings bedded in G.H.#9 on 1/29/37
23 ,, ,, ,, G.H.#7 ,, 2/4/37

None of the cuttings in G.H.#9 made a start.

Cuttings in G.H.#7 lifted 4/22/37

16 no growth, 7 alive, 2 beginning to callus. Potted, and placed in G.H.#7. One of these rooted and was planted in the lath house for the season, on 6/30/37. This was lifted and put into a 6" pot on 11/24/37 and held over winter in G.H.#7. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 11 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (107a)

Vineyard location: B6 R8 V33

Parentage: (same as B6 (104))

Description: White grape of good quality.
(6/15-17/37) Vine vigorous but fruit gone by.
(9/19-20/37) Pink, vine vigorous, nearly free of Cercospora.
Some "measles" but not much.
(9/1/38) Very vigorous, late white, no flowers seen.

Propagation: 72 cuttings bedded in G.H.#9 on 2/4/37
24 ,, ,, ,, G.H.#7 ,, 2/5/37

No cuttings in G.H.#9 made any growth of any kind.

Cuttings in G.H.#7 lifted on 4/22/37

28 no growth, 2 alive and callused. Potted, and placed in G.H.#7.

Planted in lath house on 6/30/37, lifted and put into 6" pots on 11/24/37. One was held in G.H.#7 and the other in Darrow's cold house over the winter. Planted in the muscadine vineyard unit on 6/28/38.

At Willard, N.C. on 2/24/38, 6 plants grown there from layers were noted in the nursery row.

Selection B6 (108)

Vineyard location: B6 R8 V38

Parentage: (same as B6 (104))

Description: White grape, vigorous vine with heavy crop, good fruit clusters,
quality good.
(6/15-17/37) No flowers seen, some leaf spot.
(9/19-20/37) Tough., not much for quality. Black Rot, #measles"
and Cercospora present.
(9/1/38) Vine rather weak. crop good, quality not outstanding.

Propagation: 31 cuttings bedded in G.H."9 on 2/8/37

None of them survived.

At Willard, N.C. on 2/24/38, 5 plants of this selection were
noted in the nursery row, having been grown there from layers.

Selection B6 (109)

Vineyard location: B6 R8 V45

Parentage: (same as B6 (104))

Description: White grape, vine vigorous, crop good. Quality good.
(6/15-17/37) Stamens long, upright, good clusters, looks good!
(9/19-20/37) Fairly good, not outstanding, "measles" bad.
(9/1/38) Fairly vigorous, good crop, white, late.

Prppagation: 63 cuttings bedded in G.H.#9 on 2/8/37
27 ,, ,, ,, G.H.#7 ,, ,,

None of the cuttings in G.H.#9 made any start.

Cuttings in G.H.#7 lifted on 4/22/37

22 no growth, 5 alive, 2 callused. Potted and placed in G.H.#1.

The 2 plants survived and were set out in the lath house on
6/30/37. They were lifted 11/24/37, put into 6" pots, one
held in G.H. #7 and the other in Darrow's cold house over winter.
Planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 7 plants of this selection grown there
from layers were noted in the nursery row.

Selection B6 (110)

Vineyard location: B6 R8 V49

Parentage: (same as B6 (104))

Description: White grape, vine very vigorous, fruit persistent and of good quality. Stamens upright.
(6/15-17/37) Stamens upright, good clusters.
(9/19-20/37) "measles" bad.
(9/1/38) Vigorous, good crop, fruit small-medium.

Propagation: 72 cuttings bedded in G.H.#9 on 2/8/37
27 ,, ,, ,, G.H.#7 ,, ,,

None of these made any start toward growth

At Willard, N.C. on 2/24/38, 10 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (110a)

Vineyard location: B6 R8 V51

Parentage: (same as B6 (104))

Description: Late white grape of good quality and promise.
(6/15-17/37) Stamens medium upright, small clusters, vine vigorous.
(9/19-20/37) Yellowish white, juicy, sweet, good flavor.
Cercospora bad, some Black Rot.
(9/1/38) Pink, medium-sized fruit, stamens probably upright.
Look at later.

Propagation: 41 cuttings bedded in G.H.#9 on 2/12/37
47 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
35 no growth, 6 alive, 3 rooted and 2 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
27 no growth, 20 alive, 6 rooted and 6 callused. Potted and
all potted plants put in G.H.#7.

Of the above, 16 plants rooted and were planted in the lath house on 6/30/37. These were lifted on 11/24/37. Two plants were sent to L.E.Scott at Sandhill Station, Columbia, S.C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Grainer at Raleigh, N.C., 2 were kept for trial at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C. (metal tag #3942).

The 2 plants held at Beltsville were put into 6" pots, one placed in G.H.#7 and the other in Darrow's cold house over the winter. They came through satisfactorily and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 6 plants sent from Beltsville and were noted in the nursery row there.

Selection B6 (111)

Vineyard location: B6 R8 V54

Parentage: (same as B6 (104))

Description: Late white grape. Vine vigorous with good crop, persistent berries of fair flavor.
(6/15-17/37) No flowers seen.
(9/19-20/37) Little fruit, not much character, does not look very healthy. Some "measles" and Black Rot.
(9/1/38) Good vigor, white, late, crop small, no flowers seen.

Propagation: 35 cuttings bedded in G.H.#9 on 2/10/37
59 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
28 no growth, 7 alive, 1 rooted and 1 callused. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
48 no growth, 11 alive, 4 callused. Potted, and all potted plants placed in G.H.#7

Of the above, 4 were alive on 6/30/37 and were planted in the lath house. They were lifted on 11/24/37. Two were sent to N.H.Loomis at Meridian, Miss, and the others were put into 6" pots and put in storage for the winter - one in G.H.#7 and the other in Darrow's cold house ~~over the winter~~. They came through all right and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 7 plants of this selection grown from layers there were noted in the nursery row.

Selection B6 (112)

Vineyard location: B6 R8 V64

Parentage: (same as B6 (104))

Description: White grape. Vine vigorous, good clusters of good-sized fruit, sprightly and of good quality. Late.
(6/15-17/37) No flowers seen, small fruit clusters.
(9/19-20/37) Reddish, fair quality but not outstanding, foliage fairly good - some "measles".
(9/1/38) Moderately vigorous, white, late.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37
38 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
29 no growth, 11 alive, 3 rooted and 5 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
18 no growth, 20 alive, 4 rooted and 12 callused. Potted and
all potted plants put in G.H.#7

Of the above, 22 plants survived and were planted in the lath house on 6/30/37. Of these 19 were alive on 11/24/37 when they were lifted. Two plants were sent to L.E.Scott, Sandhill Station, Columbia, S.C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were kept for trial at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C. (metal tag #3941).

Of those kept at Beltsville, one was held over the winter in G.H.#7 and the other in Darrow's cold house. They survived and were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 8 plants sent from Beltsville and 7 grown from layers there were noted in the nursery row.

Selection B6 (113)

Vineyard location: B6 R8 V72

Parentage: (same as B6 (104))

Description: White grape, late, vine vigorous, clusters medium-sized, berries persistent, sweet and of good flavor.
(6/15-17/37) No flowers seen, few berries, vigorous.
(9/19-20/37) Hardly any crop. Not outstanding. Foliage fairly good, little Cercospora.
(9/1/38) Good vigor, white, late, small crop.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37
51 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
28 no growth, 12 alive, 4 rooted and 3 callused. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
34 no growth, 17 alive, 4 rooted and 7 callused. Potted and all potted plants placed in G.H.#7

Of the above, 10 survived and were planted in the lath house on 6/30/37. Seven of these came through the summer and were lifted on 11/24/37. Two plants were sent to N.H.Loomis at Meridian, Miss., 2 were kept for trial at Beltsville, and the remainder sent to Mr. Dearing at Willard, N.C. (tag#3940).

Those held at Beltsville were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 3 plants sent from Beltsville and 15 grown there from layers were noted in the nursery row.

Selection B6 (114)

Vineyard location: B6 R8 V76

Parentage: (same as B6 (104))

Description: White grape. Vigorous vine, good clusters of medium- sized berries, quality good.
(6/15-17/37) Stamens reflex, clusters small.
(9/19-20/37) Medium-sized , sweet, not much crop, not outstanding. Some "measles".
(9/1/38) Very vigorous, small crop, white, not outstanding.

Propagation: 81 cuttings bedded in G.H.#9 on 2/4/37
24 ,, ,, ,, G.H.#7 ,, ,,

Cuttings in G.H.#9 lifted on 4/23/37
80 no growth, 1 alive, 1 callused. Potted.
Cuttings in G.H.#7 lifted on 4/22/37
17 no growth, 7 alive, 1 rooted and 2 callused. Potted and potted plants put in G.H.#7.

Of the above, 4 plants came through and were planted in the lath house on 6/30/37. These were lifted on 11/24/37. Two plants were sent to N. H. Loomis at Meridian, Miss., and the other two were put into 6" pots. One of these only survived the winter and this was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 14 plants of this selection grown from layers there were noted in the nursery row.

Selection B6 (115)

Vineyard location: B6 R8 V80

Parentage: (same as B6 (104))

Description: Pink grape. Abundant crop, good foliage on vigorous vine.
Berries persistent and of fair quality.
(6/15-17/37) No flowers seen.
(9/19-20/37) Red berry, tough, fair flavor, vine rather weak, some Black Rot.
(9/1/38) Late pink, moderate vigor, fair crop.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
23 ,, ,, ,, G.H.#7 ,, ,,

No plants were secured from the G.H.#9 cuttings.
Cuttings in G.H.#7 lifted on 4/22/37
21 no growth, 2 alive, 2 callused. Potted, but they did not survive.

At Willard, N.C. 10 plants of this selection were noted in the nursery row, these having been grown there from layers.
(Observation 2/24/38)

Selection B6 (116)

Vineyard location: B6 R8 V86

Parentage: (same as B6 (104))

Description: Late white grape. Vine vigorous, fruit in fair sized clusters, quality fair.
(6/15-17/37) Stamens reflex, clusters small.
(9/19-20/37) Late, "not much" now, foliage fairly clean.
(9/1/38) Good vigor, small crop, late.

Propagation: 33 cuttings bedded in G.H.#9 on 2/12/37
55 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
27 no growth, 6 alive, 4 beginning callus formation. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
19 no growth, 36 alive, 21 callused. Potted and all potted plants put in G.H.#7

Nine plants from these survived and were planted in the lath house on 6/30/37. Six good plants were secured from these which were lifted 11/24/37. Two were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Mr. Dearing at Willard, N.C., and the others were put into 6" pots. One of these was held in G.H.#7 and the other in Darrow's cold house over the winter. Both were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 2 plants sent from Beltsville and 3 others grown from layers there were noted in the nursery row.

Selection B6 (118)

Vineyard location: B6 R9 V9

Parentage: (same as B6 (104))

Description: White grape, vine vigorous, good clusters of good-sized berries, persistent.
(6/15-17/37) Stamens short, reflex, small clusters, fairly vigorous vine.
(9/19-20/37) Not outstanding. Little fruit. Some chlorosis, Cercospora and Black Rot.
(9/1/38) Vigorous, white, fair crop of good-sized fruit, no flowers seen.

Propagation: 79 cuttings bedded in G.H.#9 on 2/8/37
27 ,, ,, ,, G.H.#7 ,, ,,

No plants at all were secured from these trials

At Willard, N.C. on 2/24/38, 13 plants of this selection grown from layers there were noted in the nursery row.

Selection B6 (119)

Vineyard location: B6 R9 V11

Parentage: (same as B6 (104))

Description: White grape, vigorous vine with good clusters of persistent berries. Late.
(6/15-17/37) No flowers seen. Medium-sized clusters. Vine vigorous.
(9/19-20/37) Vigorous, but Black Rot bad. Some chlorosis and Cercospora.
(9/1/38) Fairly vigorous, good crop, white, fairly good quality, stamens reflex.

Propagation: 66 cuttings bedded in G.H.#9 on 1/29/37
23 ,, ,, ,, G.H.#7 ,, 2/4/37

No plants secured from cuttings in G.H.#9

Cuttings in G.H.#7 lifted on 4/22/37

22 no growth, 1 alive, 1 rooted. Potted and put in G.H.#7

This plant was set in the lath house on 6/30/37 and lifted on 11/24/37. It was planted in the muscadine ~~nurser~~ vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. 2 plants grown from layers there were noted in the nursery row on 2/24/38.

Selection B6 (120)

Vineyard location: B6 R9 V19

Parentage: (same as B6 (104))

Description: Bronze-white grape. Vine vigorous, clusters of good size and berries of good quality.
(6/15-17/37) No flowers seen, clusters small, vine vigorous.
(9/19-20/37) Tough, sweet, not outstanding.
(9/1/38) Very vigorous, pink, not outstanding, no flowers seen.

Propagation: 34 cuttings bedded in G.H.#9 on 2/8/37
51 ,, ,, ,, G.H.#7 ,, ,,

No plants were secured from cuttings in G.H.#9

Cuttings lifted in G.H.#7 on 4/22/37

44 no growth, 7 alive, 4 callused. Potted and placed in G.H.#7

Two of these plants survived and were set in the lath house on 6/30/37. They were lifted 11/24/37, put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. The plant held in G.H.#7 survived and was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 4 plants of this selection grown from layers were noted in the nursery row there.

Selection B6 (122)

Vineyard location: B6 R9 V36

Parentage: (Same as B6 (104))

Description: Black grape. Good clusters of small black berries, crop heavy.
Looks promising for manufactures.
(6/15-17/37) Stamens short, upright, medium vigor.
(9/19-20/37) Ordinary quality - not outstanding, Black Rot and Cercospora heavy.
(9/1/38) Moderately vigorous, black berries in bunches, small, late, no flowers seen.

Propagation: 32 cuttings bedded in G.H.#9 on 2/8/37
Lifted on 4/23/37
30 no growth, 2 alive, 2 rooted. Potted and later set in the lath house(6/30/37). Lifted on 11/24/37, put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. Planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 9 plants of this selection were noted in the nursery row having been grown there from layers.

Selection B6 (127)

Vineyard location: B6 R9 V56

Parentage: (V39 R2 B2 - from seed of a hybrid by T.V.Munson of San Jacinto x(some Post Oak x Herbemont)) x (V22 R15 B4 - hermaphrodite Eden x V23 R4 B2(cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: Black grape in full clusters, persistent, should be fine for juice.
(6/15-17/37) Stamens medium reflex, good clusters.
(9/19-20/37) Not outstanding. Cercospora and "measles" noted.
(9/1/38) "Not much".

(A juice sample was prepared from this grape on 9/23/36, pasteurized and stored at Willard, N.C. until 6/16/37 when it was opened and examined. Result: About the color of cider, fairly heavy sediment, opalescent. Good balance between sugar and acid.)

Propagation: 28 cuttings bedded in G.H.#9 on 2/4/37
One callused plant only obtained from this trial, on 4/23/37 and this did not survive.

At Willard, N.C. on 2/24/38, 11 plants grown there from layers were noted in the nursery row.

Selection B6 (128)

Vineyard location: B6 R9 V62

Parentage: (same as B6 (127))

Description: Black grape. Vine vigorous with fine clusters, heavy crop, persistent, fine quality.
(6/15-17/37) Stamens short, upright. Vine vigorous.
(9/19-20/37) Not outstanding. Some Cercospora.
(9/1/38) Very vigorous, black bunch grape, attractive appearance, heavy crop, not so much for quality but may have desirable characters for use in breeding.
(A juice sample was prepared from this grape on 9/23/36, pasteurized and stored at Willard, N.C. until 6/16/37 when it was examined. Result: Clear, dark sherry (reddish) about 1/3 sediment. Acid fairly high, flavor not particularly distinctive but rather good.) (Chemical analysis of this juice gave the following results:
Balling at 24°C. 18.5%
Acidity .89%
Refractive index 1.3675
Tannin .041 gm per 100cc

Propagation: 60 cuttings bedded in G.H.#9 on 1/29/37
25 ,, ,, ,, G.H.#7 ,, 2/4/37

No plants were derived from any of these cuttings

At Willard, N.C. on 2/24/38, 10 plants grown there from layers were noted in the nursery row.

Selection B6 (129)

Vineyard location: B6 R9 V65

Parentage: (same as B6 (127))

Description: Black grape, vigorous vine with heavy crop of persistent berries borne in good clusters. Quality fine.
(6/15-17/37) Stamens long, upright, good clusters.
(9/19-20/37) Small black grape, good crop, good flavor. Keep for juice. Some Cercospora, but fairly clean.
(9/1/38) About like B6 (128) but better quality. Not quite so vigorous, however.

Propagation: 35 cuttings bedded in G.H.#9 on 2/10/37
30 ,, ,, ,, G.H.#7 ,, ,,

Cuttings in G.H.#9 lifted on 4/23/37

23 no growth, 12 alive, 6 rooted and 4 callused. Potted.

Cuttings in G.H.#7 lifted on 4/22/37

23 no growth, 7 alive, 1 rooted and 4 callused. Potted and all potted plants put into G.H.#7

From the above, 14 plants were derived which were planted in the lath house on 6/30/37. Of these, 12 lived and were lifted on 11/24/37. Two plants were sent to L.E.Scott, Sandhill Station, Columbia, S.C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were reserved for trial at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C. (metal tag#3938). Of those held at Beltsville, one was held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 4 plants sent from Beltsville and 3 grown there from layers were noted in the nursery row.

Selection B6 (134)

Vineyard location: B6 R10 V10

Parentage: uncertain

Description: Black grape, good vigor and quality. Stamens reflex.
(6/15-17/37) Red vine, clusters small
(9/19-20/) Little fruit. Not outstanding, some Cercospora
and Black Rot.
(9/1/38) Good vigor, black, heavy crop, good-sized berries,
late, but believe this will be very good.

Propagation: 42 cuttings bedded in G.H.#9 on 2/12/37
49 ,, ,, ,, G.H.#7 ,, ,,

No plants were obtained from these.

At Willard, N.C. on 2/24/38, 5 plants of this selection were
noted in the nursery row which had been grown from layers there.

Selection B6 (136)

Vineyard location: B6 R10 V17

Parentage: V39 R2 B2(hybrid by T.V.Munson of San Jacinto x (Post Oak x Herbemont)) x V36 R36 B4 (white hermaphrodite -V47 R9 B2 (Stanford) x V19 R7 B2(hermaphrodite from Eden x V23 R4 B2(cross by Mr. Cole between Eden and a staminate Munsoniana vine)))

Description: Black grape, vigorous vine, good clusters, persistent.
(6/15-17/37) Vine red, no flowers seen.
(9/19-20/37) Sweet, fair flavor, not outstanding, probably out.
Some Cercospora, "measles" and chlorosis.
(9/1/38) Moderate vigor, black, medium crop. Not outstanding, shatters badly.

Propagation: 69 cuttings bedded in G.H.#9 on 1/30/37
23 ,, ,, ,, G.H.#7 ,, 2/4/37
5 rooted
No/plants obtained from cuttings in G.H.#9
Cuttings in G.H.#7 lifted on 4/22/37
17 no growth, 6 alive, 1 rooted. Potted and placed in G.H.#7.

Of the above, 5 plants were set in the lath house on 6/30/37.
They were lifted 11/24/37. Two plants were sent to N.H.Loomis at Meridian, Miss., 1 was sent to Mr. Dearing at Willard, N.C. (metal tag #3937) and the others were held at Beltsville for trial. These last were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, the plant sent from Beltsville and 5 others derived from layers there were noted in the nursery row.

Selection B6 (137)

Vineyard location B6 R10 V24

Parentage: (same as B6 (136))

Description: White grape, vigorous vine, good clusters of persistent berries, heavy crop, sweet.
(6/15-17/37) Stamens reflex, small clusters.
(9/19-20/37) Good crop, sweet, good quality, good clusters, worth keeping for a while. Some Cercospora and Black Rot.
(9/1/38) Late white, good crop, medium vigor.

Propagation: 39 cuttings bedded in G.H.#9 on 2/10/37
55 ,, ,, , G.H.#7 ,, ,,

Cuttings in G.H.#9 lifted on 4/23/37

16 no growth, 23 alive, 5 rooted and 4 callused. Potted.

Cuttings in G.H.#7 lifted on 4/22/37

44 no growth, 11 alive, none rooted or callused.

Potted plants held in G.H.#7. Of these, 6 survived and were planted in the lath house on 6/30/37. They were lifted on 11/24/37, 2 sent to N.H.Loomis at Meridian. Miss., 2 sent to Mr. Dearing at Willard, N.C. (metal tag #3936), and the other 2 put into 6" pots. One was held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, the 2 plants sent from Beltsville and 3 more grown there from layers were noted in the nursery row.

Selection B6 (138)

Vineyard location: B6 R10 V36

Parentage: V22 R15 B4(hermaphrodite-Eden x V23 R4 B2(cross by Mr. Cole between Eden and a staminate Munsoniana vine)) x V36 R15 B4-
(same parentage as V22 R15 B4 above)

Description: Black grape, vigorous vine with fine foliage and good clusters of late, persistent berries. Stamens reflex. Should be fine for manufactures.

(6/15-17/37) Stamens medium reflex, fair vigor, fair clusters.

(9/19-20/37) Fine crop, attractive clusters, black fruit, worth keeping for juice. Foliage very clean, little Cercospora.

(9/1/38) Medium vigor, late black, light crop, reflex stamens, not outstanding.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37

55 ,, ,, ,, G.H.#7 ,, ,,

Cuttings in G.H.#9 lifted on 4/23/37

26 no growth, 12 alive, 8 rooted and 2 callused. Potted.

Cuttings in G.H.#7 lifted on 4/22/37

25 no growth, 30 alive, 9 rooted and 4 callused. Potted and all potted plants put in G.H.#7.

From the above, 18 plants were secured and were planted in the lath house on 6/30/37. Seventeen were alive when lifted on 11/24/37. Of these, 2 were sent to L.E.Scott at Sandhill Station, Columbia, S.C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 were reserved for trial at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C.

Those held at Beltsville were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 9 plants sent from Beltsville and 6 more grown there from layers were noted in the nursery row.

Selection B6 (140)

Vineyard location: B6 R10 V69

Parentage: V36 R5 B4 (James x V66 R3 B2 (white male)) x (V10 R15 B4 - hermaphrodite from Eden x V23 R4 B2 (cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: Late black grape. Medium vigor of vine, fair clusters of persistent berries, fine flavor.
(6/15-17/37) Rather weak, no flowers seen, small clusters.
(9/19-20/37) Not exceptional. Rather weak vine, Cercospora, Black Rot and "measles" noted.
(9/1/38) Weak, small crop.

Propagation: 25 cuttings bedded in G.H.#9 on 1/30/37
Cuttings lifted on 4/23/37.
24 no growth, 1 alive, 1 rooted. Potted and on 6/30/37 planted in the lath house. It was alive on 11/24/37 when it was lifted, put into a 6" pot, and held in G.H.#7 over the winter. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

Mr. Dearing at Willard, N.C. did not secure plants of this selection from layers there

Selection B6 (142)

Vineyard location: B6 R10 V76

Parentage: (V36 R5 B4 - (James x V66 R3 B2- a white male)) x (V20 R36 B4 - hermaphrodite from V80 R3 B2("Morrison") x V19 R7 B2 - hermaphrodite from Eden x V23 R4 B2 (cross by Mr. Cole between Eden and a staminate Munsoniana vine)Ø.

Description: Late white grape, vine vigorous with fine foliage. Fruit sweet and good flavored.
(6/15/17/37) No flowers seen, small bunches of fruit.
(9/19-20/37) Not exceptional. Chlorosis, Cercospora and "measles" noted.
(9/1/38) Medium vigor, not much fruit, white, late.

Propagation: 31 cuttings bedded in G.H.#9 on 2/12/37
30 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted on 4/23/37 in G.H.#9 . No plants secured.
Cuttings lifted in G.H.#7 on 4/22/37
27 no growth, 3 alive, 1 callused. Potted, but it did not grow.

At Willard, N.C. on 2/24/38, 12 plants of this selection grown there from layers were noted in the nursery row.

Selection B6 (143)

Vineyard location: B6 R10 V80

Parentage: (same as B6 (142))

Description: Late white grape, good clusters of persistent berries of good quality.
(6/15-17/37) no record.
(9/19-20/37) no record.
(9/1/38) no record.

Propagation: Data on bedded cuttings at Beltsville lost, except as follows:

Cuttings lifted in G.H.#9 on 4/23/37

36 no growth, 5 alive, 1 rooted and 2 callused. Potted.

Cuttings lifted in G.H.#7 on 4/22/37

38 no growth, 11 alive, 1 rooted(weak) and 2 callused. Potted, and all potted plants put into G.H.#7.

From the above, 1 plant survived and was planted in the lath house on 6/30/37. It was lifted on 11/24/37, put into a 6" pot and held in G.H.#7 over the winter. It was planted in the muscadine vineyard unit at Beltsville on 6/28/38.

No plants of this selection were grown at Willard, N.C. from layers.

Selection B6 (146)

Vineyard location: B6 R11 V15

Parentage: (V46 R6 B4 - James x V66 R3 B2(white male)) x (V68 R14 B4 - Eoen
x V23 3/4 B2(cross by Mr. Cole between Eden and a
staminate Munsoniana vine))

Description: Black grape, vine very vigorous with fine foliage. Good clusters
of small berries of excellent quality. Probably fine for juice.
(6/15-17/37) Stamens medium upright, fairly good clusters,
vigorous vine.
(9/19-20/37) Seedy, fair flavor - have better ones - Some
Cercospora.
(9/1/38) Vigorous, late, black, medium upright stamens.

(A sample of juice was made from this grape on 9/23/36,
pasteurized and stored at Willard, N.C. until opened on
6/16/37. Results: Clear, reddish juice, moderate sediment,
attractive. Considered best of all juices made.

Chemical analysis gave the following:

Balling, 17.5%
Acidity, .76%
Refractive index, 1.3660
Tannin .039 gm per 100 cc.

Propagation: 39 cuttings bedded in G.H.#9 on 2/12/37
55 ,, ,, ,, G.H.#7 on 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37

25 no growth, 14 alive, 6 rooted and 2 callused. Potted

Cuttings lifted from G.H.#7 on 4/10/37

38 no growth, 17 alive, 12 rooted and 1 callused. Potted and
all potted plants placed in G.H.#7

From the above, 16 plants were planted in the lath house on
6/30/37. Thirteen plants were alive on 11/24/37 when they
were lifted. 2 were sent to L.E.Scott at Sandhill Station,
Columbia, S.C., 2 were sent to N.H.Loomis at Meridian, Miss.,
2 were sent to Dr. Gardner at Raleigh, N.C., 2 were retained
for test at Beltsville and the remainder sent to Mr. Dearing at
Willard, N.C.

The plants held at Beltsville were put into 6" pots, one held in
G.H.#7 and the other in Darrow's cold house over the winter.
They were planted in the muscadine vineyard unit at Beltsville
on 6/28/38.

At Willard, N.C. on 2/24/38, 5 plants sent from Beltsville and
5 more grown from layers there were noted in the nursery row.

Selection B6 (147)

Vineyard location: B6 R11 V19

Parentage: (same as B6 (146))

Description: Black grape. Fine vigor, good clusters of fair-sized berries, very tender pulp, fine quality.
(6/15-17/37) No flowers seen. Fairly good fruit clusters.
(9/19-20/37) Vigorous vine but no fruit. Cercospora, Black Rot and chlorosis noted.
(9/1/38) Very vigorous, no fruit.

Propagation: 38 cuttings bedded in G.H.#9 on 2/12/37
50 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings in G.H.#9 lifted on 4/23/37

29 no growth, 9 alive, 3 rooted and 5 callused. Potted.

Cuttings in G.H.#7 lifted 5/10/37

40 no growth, 10 alive, 4 rooted and 3 callused. Potted and all potted plants put in G.H.#7

From the above, 6 plants were secured which were planted in the lath house on 6/30/37. They were lifted on 11/24/37. Two were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Mr. Dearing at Willard, N.C. (metal tag #3933) and the other 2 were held at Beltsville for trial. These last were put into 6" pots, one held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine vineyard unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 2 plants sent from Beltsville and 12 derived there from layers were noted in the nursery row.

Selection B6 (148)

Vineyard location: B6 R11 V31

Parentage: (V46 R18 B4 - a chance seedling of James (nursery lot No 480))
x (white hermaphrodite V47 R9 B2 ("Stanford") x
V19 R7 B2 -from Eden x V23 R4 B2 (cross by Mr Cole
between Eden and a staminate Munsoniana vine))

Description: White grape. Vine very vigorous, crop not heavy but of good
quality.
(6/15-17/37) No flowers seen, small fruit clusters, vine
vigorous.
(9/19-20/37) Very vigorous, very little fruit of mediocre
quality. Cercospora bad, some chlorosis and Black Rot.
(9/1/38) Very vigorous, white, late, small crop.

Propagation: 36 cuttings bedded in G.H.#9 on 2/10/37
50 ,, ,, ,, G.H.#7 ,, ,,

Cuttings lifted in G.H.#9 on 4/23/37
14 no growth, 22 alive, 17 callused, none rooted. Potted.
Cuttings lifted in G.H.#7 on 4/22/37
38 no growth, 12 alive, 1 rooted. Potted and all potted plants
put in G.H.#7

From the above, 12 plants were obtained which were set in the
lath house on 6/30/37. Seven of these survived and were lifted
on 11/24/37. Two were sent to N.H.Loomis. Meridian, Miss.,
3 were sent to Mr. Dearing at Willard, N.C. and the other 2
were held at Beltsville for trial. These last were put into
6" pots, one held in G.H.#7 and the other in Darrow's cold house
over the winter. They were planted in the muscadine vineyard
unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 3 plants sent from Beltsville and
10 grown from layers there were noted in the nursery row.

Selection B6 (149)

Vineyard location: B6 R11 V73

Parentage: (V57 R18 B4-miscellaneous chance white seedling (nursery lot 468))
x (V62 R14 B4 - Eden x V23 B4 B2 (cross by Mr. Cole between
Eden and a staminate Munsoniana vine))

Description: Black grape. Fine large clusters of large persistent berries
on a good vine. Tart, but good flavor. Late.
(6/15-17/37) No flowers seen, small fruit clusters, vine
vigorous.
(9/19-20/37) Very acid, not outstanding, Cercospora and "measles"
present.
(9/1/38) Very vigorous, small crop, black, small berries -
"not much".

Propagation: 37 cuttings bedded in G.H.#9 on 2/12/37
51 ,, ,, ,, G.H.#7 ,, ,,

Cuttings in G.H.#9 lifted on 4/23/37

26 no growth, 11 alive, 9 rooted and 1 callused. Potted.

Cuttings in G.H.#7 lifted on 4/22/37

33 no growth, 18 alive, 10 rooted and 3 callused. Potted, and
all potted plants put into G.H.#7.

From the above 23 rooted plants were obtained which were planted
in the lath house on 6/30/37. They were lifted on 11/24/37.
Two plants were sent to L.E.Scott at Sandhill Station, Columbia,
S.C., 2 were sent to N.H.Loomis at Meridian. Miss., 2 were sent
to Dr. Gardner at Raleigh, N.C., 2 were kept for trial at
Beltsville and the others sent to Mr. Dearing at Willard, N.C.

The 2 plants held at Beltsville were put into 6" pots, one held in
G.H.#7 and the other in Darrow's cold house over the winter.
They were planted in the muscadine vineyard unit at Beltsville
on 6/28/38.

At Willard, N.C. on 2/24/38, 15 plants sent from Beltsville and
9 grown from layers at Willard were noted in the nursery row.

Selection B6 (153)

Vineyard location: B6 R15 V22

Parentage: V13 R27 B4 (selfed) - Thomas x V19R7 B2(hermaphrodite from Eden x V23 R4 B2 (cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Description: White grape. Vine vigorous, good clusters of large berries, persistent, late, quality fair.
(6/15-17/37) Stamens short, reflex, fair vigor, small clusters.
(9/19-20/37) Large, late, white grape, good flavor, foliage good with only a little Black Rot and a trace of Cercospora.
Good grape.
(9/1/38) Large white grape, late, ver vigorous. Look at again.

Propagation: 40 cuttings bedded in G.H.#9 on 2/12/37
57 ,, ,, ,, G.H.#7 ,, 2/16/37

Cuttings lifted in G.H.#9 on 4/23/37
26 no growth, 14 alive, 3 rooted, 5 callused. Potted
Cuttings lifted in G.H.#7 on 5/10/37
29 no growth, 28 alive, 9 rooted and 13 callused. Potted and all potted plants put in G.H.#7.

From the above, 19 plants were derived which were planted in the lath house on 6/30/37. Sixteen plants were alive on 11/24/37 and were lifted. Two were sent to L.E.Scott at Sandhill Station, Columbia, S. C., 2 were sent to N.H.Loomis at Meridian, Miss., 2 were sent to Dr. Gardner at Raleigh, N.C., 2 reserved for trial at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C.

Of those held at Beltsville, after putting into 6" pots, one was held in G.H.#7 and the other in Darrow's cold house over the winter. They were planted in the muscadine unit at Beltsville on 6/28/38.

At Willard, N.C. on 2/24/38, 8 plants sent from Beltsville and 2 grown there from layers were noted in the nursery row.

MUSCADINE GRAPE INVESTIGATIONS

Record on Selections

BLOCK #8

At: Coastal Plain Station,
Willard, No. Car.

U. S. Hort. Station,
Beltsville, Md.

and Other Points

*Selections made by C.A. Magoon and confirmed by
Mr. Charles Dearing*

Selections made from Block 8

Willard, N. C.

September 1937

Propagation from cuttings at Beltsville begun Feb. 9-10/38
in Greenhouse NO. 7. Bench temperature about 60°F.

Lifted and potted 5/16-18/38

Material sent to N.H.Loomis 3/17/39

Material sent to Mr. Dearing 3/17/39

Selection B8 (1)

From B8 R1, Willard, N.C.

Parentage: (V22 R5 B4 x V36 R36 B4) or (V22 R5 B4 - see pollination No. 443 (Dearing)) x (V36 R36 B4 - white hermaphrodite from V47 R9 B2 ("Stanford") x V19 R7 B2(hermaph. from Eden x V23 R4 B2(cross by Mr. Cole between Eden and a staminate Munsoniana vine))

Descriptive notes: A late grape, red-stained, good size, good texture and flavor. Vine vigorous, foliage fairly clean - some Cerco-spora and Black Rot.
(9/2/38) Fine vigor, late, white, crop very light. Some Black Rot leaf spot. No flowers seen.
(9/9/39) Fair crop, good quality. Black Rot and "measles" noted.

Propagation: 80 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38

73 no growth, 2 rooted and 5 callused. Potted and held in G.H.#7

Survivors planted in rear of lath house on 6/29/38

Lifted 3 plants on 12/3/38. Two sent to N.H.Loomis at Meridian, Miss., and 1 held for trial at Beltsville. This was held over the winter in G.H.#7 and set out in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (2)

From B8 R1, Willard, N.C.

Parentage: (V26 R5 B4 x V36 R36 B4) or (V26 R5 B4 - parentage shown in pollination No. 443 x V36 R36 B4(V47 R9 B2("Stanford") x V19 R7 B2, an hermaphrodite from Eden x V23 R4 B2, which last was the result of a cross by Mr. Cole between Eden and a Munsoniana staminate vine)

Descriptive notes: White grape. Heavy crop of good clusters, flesh tender, flavor good. Considerable Cercospora.
(9/2/38) Good vigor, foliage good, large clusters, good crop. Late. Stamens long upright.
(9/9/39) Crop good, vine vigorous. Isariopsis and "measles" bad.

Propagation: 82 cuttings bedded in G.H.#7 on 2/9/38

No plants were secured from these.

Propagated from layers of original vines at Willard, N.C. and further tests being carried on there in the new vineyard unit, Block 9.

Selection B8 (3)

From B8 R1, Willard, N.C.

Parentage: (V47 R9 B2 x V4 R27 B4) or (V47 R9 B2 socalled "Stanford", a seedling of San Jacinto (from seed furnished by T.V. Munson Sept. 15, 1905) x V4 R27 B4, an hermaphrodite from Thomas x V19 R7 B2 an hermaphrodite resulting from Eden x V23 R4 B2, the last being a hybrid from Eden crossed by Mr. Cole with a staminate Munsoniana vine).

Descriptive notes: Black grape, large berries borne in good-sized clusters, crop heavy, sweet and of good flavor. Cercospora heavy and some Black Rot noted.
(9/2/38) Good vigor, medium crop, fair quality but not outstanding. Some Black Rot spots on foliage.
(9/9/39) Good crop, some Isariopsis and "measles".

Propagation: 76 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38
69 no growth, 7 alive, 7 rooted. Potted and placed in G.H.#7

Survivors planted in rear of lath house on 6/29/38

From the above, 4 plants were lifted on 12/3/38. Two were sent to N. H. Loomis at Meridian, Miss. on 3/16/39 and the others held for trial at Beltsville, Md. One only survived and this was planted in the muscadine vineyard unit on 4/5/39

Further trials at Willard, N.C. included in new vineyard unit, Black 9.

Selection B8 (4)

From B8 R2, Willard, N.C.

Parentage: (V6 R19 B3 x V4 R27 B4) or (V6 R19 B3 whose parentage is uncertain (Dearing)) x (V4 R27 B4, an hermaphrodite from Thomas x V19 R7 B2 an hermaphrodite resulting from Eden x V23 R4 B2, the last being a hybrid from Eden x staminate Munsoniana vine, by Mr. Cole)

Descriptive notes: Black grape, vine vigorous, fruit sweet and of good flavor and texture. Considerable Cercospora.
(9/2/38) Good vigor, foliage fairly clean, crop light, quality good. Early. Flesh fairly tender. No flowers seen.
(9/9/39) Light crop, fine flavor. "Measles" bad. Save (?)

Propagation: 68 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38.

66 no growth, 1 rooted, 1 callused. Potted.

Rooted plant set in rear of lath house on 6/29/38.

Lifted on 12/3/38. This plant was sent to N.H.Loomis at Meridian, Miss.

Further trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (5)

From B8 R2, Willard, N.C.

Parentage: (V22 R5 B4 x V4 R27 B4) or (V22 R5 B4, a cross between Scuppernong and a staminate vine, probably of Munsoniana, designated by Mr. Cole as "staminate R33 V6 in the Ronnoc Grove vineyard, New Smyrna, Fla, pollination dated 5/25/07.) x (V4 R27 B4, an hermaphrodite from Thomas x V19 R7 B2, this last being an hermaphrodite from Eden x V23 R4 B2, and this last named parent being the result of Eden x a staminate Munsoniana vine, by Mr. Cole.)

Descriptive notes: White grape. Vine vigorous, good crop of good-sized berries. Flavor good. Some Cercospora and little Black Rot.
(9/2/38) Good vigor, fair crop, fairly good quality. Some Black Rot on foliage. No flowers seen.
(9/9/39) Fair crop. Some Black Rot, "measles" bad.

Propagation: 30 Cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38

27 no growth, 3 rooted and none callused. Potted.

Plants set in rear of lath house on 6/29/38. Lifted on 12/3/38. Two plants of this sent to N.H.Loomis at Meridian, Miss. One plant set out in muscadine vineyard unit at Beltsville on 4/5/39.

Further trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (6)

From B8 R2, Willard, N.C.

Parentage: (same as selection B8 (5))

Descriptive notes: Black grape. Heavy crop on very vigorous vine. Berries large and good-flavored. Foliage very clean with only a trace of Cercospora.
(9/2/38) Fine vigor, foliage clean with very little spot. Stamens reflex. Late crop, rather light.
(9/9/39) Good vigor, crop small, some Black Rot and "measles" but fairly clean.

Propagation: 107 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38.

102 no growth, 2 rooted and 3 callused. Potted.

Plants set in rear of lath house on 6/29/38

Of the above, 1 survived and was lifted on 12/3/38. This was sent to N.H.Loomis at Meridian, Miss.

Further trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (7)

From B8 R2, Willard, N.C.

Parentage: (V26 R5 B4 x V4 R27 B4) or (V26 R5 B4 from Scuppernong x staminate vine, probably Munsoniana, designated by Mr. Cole as "staminate R33 V6" in Ronnoc Grove vineyard, New Smyrna, Fla., pollination date 5/25/07.) x (V4 R27 B4 an hermaphrodite from Thomas x V19 R7 B2, this last parent from Eden x V23 R4 B2 the first hermaphrodite noted from Mr. Cole's Eden x staminate Munsoniana cross.)

Descriptive notes: Pink grape. Vine vigorous, good crop of medium-sized berries. Flavor good. Some Black Rot and Cercospora.
(9/2/38) Good vigor, some Black Rot spot, crop very light, quality good, sweet.
(9/9/39) Crop very light. Black Rot and "measles" noted.

Propagation: 108 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38.

100 no growth, 1 rooted and 7 callused. Potted.

Four plants survived and were set in rear of the lath house on 6/29/38. These were lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss. The other two were planted in the muscadine vineyard unit on 4/5/39 at Beltsville.

Further trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (8)

From B8 R3, Willard, N.C.

Parentage: (V22 R5 B4 x V22 R15 B4) or (V22 R5 B4, from Scuppernong x staminate, probably Munsoniana vine, designated by Mr. Cole as "staminate R33 V6" in Ronnoc Grove vineyard, New Smyrna, Fla., pollination date, 5/25/07) x (V22 R15 B4 an hermaphrodite from Eden x V23 R4 B2, this last parent resulting from a cross between Eden and a staminate Munsoniana vine, by Mr. Cole.)

Descriptive notes: Black grape. Vine vigorous, bearing a good crop of good-sized clusters, berries persistent. Fruit rather acid. Should be good for wine. Cercospora moderate in amount.
(9/2/38) Vine weak, berries small. "Going out."
(9/9/39) Appears about gone.

Propagation: 29 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/18/38

26 no growth, 2 rooted and 1 callused. Potted.

Three plants were secured. These were planted in the rear of the lath house on 6/29/38. They were lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss. The other did not survive.

Further trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (9)

From B8 R3, Willard, N.C.

Parentage: (same as B8 (8))

Descriptive notes: Pink grape. Berries small, borne in good clusters. Vine vigorous. Cercospora and Black Rot moderate in amount.
(9/2/38) Good vigor, fairly clean foliage, good clusters, late, small white or pink berries. Stamens long, upright.
(9/9/39) Isariopsis rather bad.

Propagation: 52 cuttings bedded in G.H.#7 on 2/9/38.

Cuttings lifted on 5/18/38
50 no growth, 2 rooted. Potted.

There was some confusion in the handling of this selection, with B8 23, plants bearing the label B8 (9) being sent to Mr. Loomis at Meridian, Miss. (2 plants) and 24 plants to Mr. Dearing at Willard, N.C. when they should have been designated as B8 (23)

One plant of the real B8 (9) was lifted from the lath house on 12/5/38, ~~but it did not~~ ^{and} was sent to Mr. Loomis under the label B8 (23).

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (10)

From B8 R3, Willard, N. C.

Parentage: (V64 R6 B4 x V22 R15 B4) or (V64 R6 B4 from James crossed with a white male(V66 R3 B2 from Eden x staminate '09, probably Munsoniana, by Mr. Cole)) x V22 R15 B4, an hermaphrodite from Eden x V23 R4 B2, this last parent being from a cross by Mr.Cole between Eden and a staminate Munsoniana vine.)

Descriptive notes: Red grape. Vine vigorous, good crop, good clusters, quality good. Moderate amount of Cercospora and trace of Black Rot.
(9/2/38) Good vigor, heavy crop, ~~medium-to-small~~ late, foliage fairly clean, stamens reflex.
(9/9/39) Good crop, foliage badly infected with Isariopsis or "measles"(whatever that is. No one seems to know.)

Propagation: 108 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted 5/16/38

96 no growth, 4 rooted and 8 callused. Potted.

Surviving plants were set in rear of the lath house on 6/29/38
From these 3 survived and were lifted 12/3/38. Two of these were sent to N.H.Loomis at Meridian, Miss. The other did not survive.

Trials at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (11)

From B8 R3, Willard, N.C.

Parentage: (same as B8 (10)).

Descriptive notes: Reddish-purple grape. Vine vigorous, good crop of small berries having a spicy flavor. Considerable Cercospora and trace of Black Rot on foliage.

(9/2/38) Good vigor, heavy crop, medium to small pink berries. Persistent, good clusters. Stamens upright. Black Rot present but not prominent.

(9/9/39) Fair crop, pink fruit. Isariopsis and "measles" bad.

Propagation: 57 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38

34 no growth, 18 rooted and 5 callused. Potted.

Surviving plants were planted in rear of lath house on 6/29/38

18 plants lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., 2 were reserved for trial at Beltsville and the remainder sent to Mr. Dearing at Willard, N.C. (13).

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (12)

From B8 R4, Willard, N.C.

Parentage: (Black grape x V36 R15 B4) or (Black grape, not identified by Mr. Dearing,) x (V36 R15 B4, from Eden x V23 R4 B2, this last named parent being from the cross made by Mr. Cole between Eden and a staminate Munsoniana vine.)

Descriptive notes: Black grape. Crop rather light, clusters of fair size, berries small, fairly sweet, flavor good. Vine rather poor. Cercospora bad and a trace of Black Rot.
(9/2/38) Medium to poor vigor. Clusters good, quality good when ripe, stamens reflex.)
(9/9/39) Small crop, poor fruit, no good. Foliage has Isariopsis on it.

Propagation: 53 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16.38
46 no growth, 7 rooted. Potted.

Above plants planted in rear of lath house on 6/29/38

7 plants lifted on 12/3/38. Two plants sent to N.H.Loomis at Meridian, Miss. The others were held for trial at Beltsville but none survived to plant.

Further trials at Willard, N.C. included in vineyard unit, Block 9.

Selection B8 (13)

From B8 R4, Willard, N.C.

Parentage: (Black grape x V36 R14 B4) (I have been unable to establish the background of either parent in this case. The Block 4 seedlings were planted in March 1913 and Mr. Dearing's report mentions having submitted a list of them, but I have been unable to find them.(C.A.Magoon).

Description: Pink grape. Vine vigorous, good clusters, good crop, berries small but of good flavor. Moderate amount of Cercospora and trace of Black Rot.
(9/2/38) Good vigor, heavy cropper, stamens upright, good clusters, berries rather small, persistent, white,. Quality fair. Perhaps good for breeding.
(9/9/39) Good crop but berries small. Some Isariopsis and Black Rot.

Propagation: 89 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38.

49 no growth, 38 rooted and 2 callused. Potted.

Plants set in rear of lath house on 6/29/38. ~~Two plants~~
Lifted on 12/3/38 and 2 plants sent to N.H.Loomis at Meridian, Miss., 27 plants sent to Mr. Dearing at Willard, N.C. and 2 held for trial at Beltsville. These last set in muscadine vineyard unit on 4/5/39.

Further trials at Willard, N. C. Included in new vineyard unit, Block 9.

Selection B8 (14)

From B8 R4, Willard, N.C.

Parentage: (same as that of B8 (13))

Descriptive notes: Black grape. Vine vigorous bearing heavy crop of small grapes. Clusters good. Berries persistent, sweet and good.
(9/2/38) Good vigor, good-sized clusters of small berries, early, fairly good flavor, pulp rather tough, foliage poor.
(9/9/39) Very small grape, foliage poor. Probably "out."

Propagation: 70 cuttings bedded in G.H.#7 on 2/9/38

Cuttings lifted on 5/16/38

45 no growth, 24 rooted and 1 callused. Potted.

Plants set in rear of lath house on 6/29/38. Sixteen plants survived and were lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., 11 were sent to Mr. Dearing at Willard, N.C. and 2 were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in the new vineyard unit, Block 9.

Selection B8 (15)

From B8 R4, Willard, N.C.

Parentage: (New Variety (identity uncertain, C.A.M.) x V22 R15 B4) or (New Variety, identity (?) x V22 R15 B4, an hermaphrodite from Eden x V23 R4 B2, this last parent from a cross between Eden and a staminate Munsoniana vine, by Mr. Cole.)

Descriptive notes: Black grape of medium size, rather acid, but of good flavor. Vine vigorous, fair crop. Moderate amount of Cercospora.
(9/2/38) Great vigor, foliage fairly clean, quite good crop, flesh tender, quality fair. Probably reflex stamens.
(9/9/39) No record.

Propagation: 65 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on ~~12/~~ 5/18/38
30 no growth, 27 rooted and 8 callused. Potted.

Surviving plants planted in rear of lath house on 6/29/38.
24 plants lifted on 12/6/38. Two were sent to N.H.Loomis at Meridian, Miss., 20 were sent to Mr. Dearing at Willard, N.C., and the other 2 were planted at Beltsville in the muscadine vineyard unit on 4/5/39.

Selection B8 (16)

From B8 R5, Willard, N.C.

Parentage: (V47 R9 B2 x V36 R15 B4) or (V47 R9 B2, known as "Stanford", a seedling of San Jacinto (from seed furnished by T.V. Munson Sept. 15, 1905) x V36 R15 B4, from Eden x V23 R4 B2 (this last parent from Eden x staminate Munsoniana vine, by Mr. Cole))

Descriptive notes: Black grape. Heavy crop of small berries borne in good clusters. Berries persistent, sweet.
(9/2/38) Fairly vigorous, good bunches, fair crop. Berries medium to small, quality not outstanding. Stamens upright. Some Black Rot on foliage.
(9/9/39) Heavy crop but foliage bad with "measles", Isariopsis and Black Rot.

Propagation: 104 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38
40 no growth, 60 rooted and 4 callused. Potted.

Plants set in rear of lath house on 6/29/38

47 plants lifted on 12/6/38. Two sent to N.H. Loomis at Meridian, Miss., 40 sent to Mr. Dearing at Willard, N.C. and 2 planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (17)

From B8 R5, Willard, N.C.

Parentage: (V47 R9 B2 x V22 R15 B4) or same as B8 (16).

Descriptive notes: White grape. Good crop, good clusters of good-sized berries, attractive. Flesh melting and sweet, skin thin. Cercospora rather bad.
(9/2/38) Vine rather weak but bearing heavily. Late white. Stamens probably medium upright.
(9/9/39) Vine rather weak. Fruit fine, what there is of it. Some Black Rot and Isariopsis.

Propagation: 31 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/16/38.

24 no growth, 7 rooted. Potted.

Plants set in rear of lath house on 6/29/38

5 plants survived and were lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss. Three plants planted in in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N. C. included in new vineyard unit, Block 9.

Selection B8 (18)

From B8 R6, Willard, N.C.

Parentage: (San Alba x V62 R14 B4) or (San Alba x V62 R14 B4, from Eden x V23 R4 B2, the result of a cross between Eden and a staminate Munsoniana vine, by Mr. Cole.)

Descriptive notes: Black grape. Heavy crop come in good-sized clusters, berries of medium size, persistent, sweet and of good flavor. A good grape. Cercospora rather heavy and trace of Black Rot. (9/2/38) Good vigor, good clusters, berries of good size but quality not outstanding. Stamens long, upright. (9/9/39) ^{small} Good crop. Some "measles" and ~~Black Rot, but vine in fair condition.~~ rather badly defoliated

Propagation: 65 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/16/38.

47 no growth, 14 rooted and 4 callused. Potted.

Plants set in rear of lath house on 6/29/38.

13 plants lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., 9 were sent to Mr. Dearing at Willard, N.C. and the other two were planted in the muscadine vineyard unit at Beltsville on 4/5/39. 3 bearing this summer in Beltsville unit

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (19)

From B8 R6, Willard, N.C.

Parentage: (Thomas x V62 R14 B4) or (Thomas by V62 R14 B4, from Eden x V23 R4 B2, the result of a cross by Mr. Cole between Eden and a staminate Munsoniana vine)

Descriptive notes: Black grape, good crop, good clusters of medium-sized berries. Flavor good. Little Cercospora, "measles", and trace of Black Rot.
(9/2/38) Vigorous, good clusters of large berries, quality good. Late. Foliage fairly clean. Stamens probably reflex.
(9/9/39) Good crop. Some "measles" and Black Rot, but vine in fair condition.

Propagation: 69 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38.

64 no growth, 3 rooted and 2 callused. Potted.

Plants set in rear of lath house on 6/29/38. Two survived and were lifted on 12/3/38. These were sent to N.H.Loomis at Meridian, Miss.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (20)

From B8 R6, Willard, N.C.

Parentage: (same as B8 (19))

Descriptive notes: Black grape. Vine vigorous with heavy crop. Good clusters of medium-sized, persistent, berries of good flavor. Cercospora bad and trace of Black Rot.
(9/2/38) Not very vigorous but bearing a heavy crop.
Fruit black, sweet, persistent. Stamens probably upright.
(9/9/39) No record.

Propagation: 45 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38.

23 no growth, 20 rooted and 2 callused. Potted.

Plants set in rear of lath house on 6/29/38

19 plants lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., 14 were sent to Mr. Dearing at Willard, N.C. and 2 were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in new vineyard unit, Black 9.

Selection B8 (21)

From B8 R6, Willard, N.C.

Parentage: (same as B8 (19))

Descriptive notes: Black grape. Good crop of medium-sized berries borne in good clusters. Vine vigorous. Berries have fine, clean flavor. Cercospora moderate in amount.
(9/2/38) Fine vigor, foliage clean, fair crop of good-sized berries of good flavor. Pretty good grape.
Stamens reflex.
(9/9/39) Light crop of fine quality. Isariopsis and some Black Rot present.

Propagation: 57 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38
34 no growth, 23 rooted. Potted.

Plants set in rear of lath house on 6/29/38.

21 plants survived and were lifted on 12/3/38. Two plants sent to N.H.Loomis at Meridian, Miss., 17 sent to Mr. Dearing at Willard, N.C. and the other two were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (22)

From B8 R7, Willard, N.C.

Parentage: (Thomas x V22 R15 B4) or (Thomas x V22 R15 B4 an hermaphrodite from Eden x V23 R4 B2 the result of a cross by Mr. Cole between Eden and a staminate Munsoniana vine)

Descriptive notes: Black grape. Vine vigorous, medium crop of medium-sized clusters. Berries of medium size, flavor fair. Cercospora moderate in amount.
(9/2/38) Fairly good vigor, light crop, quality fair, stamens probab;y reflex.
(9/9/39) Small crop. Vine in fair condition, foliage shows some Isariopsis.

Propagation: 84 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/16/38
59 no growth, 12 rooted and 13 callused. Potted.

Plants set in rear of lath house on 6/29/38

14 plants lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., 9 sent to Mr. Dearing at Willard, N.C. and 2 were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (23)

From B8 R7, Willard, N.C.

Parentage: (New Variety x V4 R27 B4) or (New Variety(identity uncertain) x V4 R27 B4 an hermaphrodite from Thomas x V19 R7 B2 an hermaphrodite from Eden x V23 R4 B2 an hermaphrodite from Eden x a staminate Munsoniana vine)

Descriptive notes: Black grape. Vine very vigorous, berries large, borne in good clusters, berries persistent and of very fine flavor. An excellent grape. Cercospora moderate but not bad.
(9/2/38) Fine vigor, good foliage, good clusters, late, fair crop. No flowers seen.
(9/9/39) Good vigor but no crop to speak of. Some "measles".

Propagation: 98 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38

62 no growth, 31 rooted and 5 callused. Potted.

Plants set in rear of lath house on 6/29/38.

28 plants survived and were lifted on 12/3/38. Two of these sent to N.H.Loomis at Meridian, Miss., 24 sent to Mr. Dearing at Willard, N.C. (mislabelled as #9) and 2 were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (24)

From B8 R8, Willard, N.C.

Parentage: (Luola x V62 R14 B4) or (Luola x V62 R14 B4 from Eden x V23 R4 B2
an hermaphrodite from Eden crossed with a staminate
Munsoniana vine by Mr. Cole.)

Descriptive notes: Black grape. Late. Good crop of good-sized clusters and
berries. Flavor good. Cercospora light, little chlorosis
and trace of Black Rot.
(9/2/38) Good vigor, good clusters. No flowers seen. Late.
(9/9/39) No record.

Propagation: 55 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38

50 no growth, 3 rooted and 2 callused. Potted.

Plants set in rear of lath house on 6/29/38.

3 plants survived and were lifted on 12/3/38. Two of these
were sent to N.H.Loomis at Meridian, Miss. The other did
not survive the winter.

Further trial at Willard, N.C. included in new vineyard unit,
Block 9.

Selection B8 (25)

From B8 R8, Willard, N.C.

Parentage: (same as B8 (24))

Descriptive notes: Black grape. Fairly vigorous vine bearing very heavy crop of good clusters. Berries medium in size. Moderate amount of Cercospora.
(9/2/38) Fine vigor, good clusters, quality fair, berries persistent. Stamens upright.
(9/9/39) No record.

Propagation: 22 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38

21 no growth, 1 rooted. Potted.

This plant set in the rear of the lath house on 6/29/38

Fine plant lifted on 12/3/38. Sent to N.H.Loomis at Meridian, Miss.

Further trial included in new vineyard unit, Block 9, at Willard, N.C.

Selection B8 (26)

From B8 R8, Willard, N.C.

Parentage: (same as B8 (24))

Descriptive notes: Black grape. Vine vigorous, bearing good clusters of medium-sized berries, quality good. Cercospora moderate in amount and trace of Black Rot.
(9/2/38) Good vigor, large clusters, berries persistent, medium-sized, quality fair. Heavy crop. Stamens upright.
(9/9/39) Good crop. Foliage bad with "measles" and Isariopsis. (,) Out.

Propagation: 116 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38.

34 no growth, 82 rooted. Potted.

Plants set in rear of lath house on 6/29/38.

71 plants lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., 63 were sent to Mr. Dearing at Willard, N.C., and 2 were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. in new vineyard unit, Block 9.

Selection B8 (27)

From B8 R8, Willard, N.C.

Parentage: (Latham x V36 R15 B4) or (Latham x V36 R15 B4 an hermaphrodite from Eden x V23 R4 B2 the first hermaphrodite secured by Mr Cole from crossing Eden with a staminate Munsoniana vine)

Descriptive notes: Black grape. Fair crop of medium-sized clusters. Berries medium in size. Fine flavor, sweet. Cercospora bad and some Black Rot on fruit.
(9/2/38) Fine vigor, no crop seen, foliage clean, stamens reflex.
(9/9/39) Poor vine, no fruit. Isariopsis bad.

Propagation: 81 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38
74 no growth, 2 rooted and 5 callused. Potted.

Plants set in rear of lath house on 6/29/38

5 plants lifted on 12/3/38. Two were sent to N.H.Loomis at Meridian, Miss., and 2 were planted in the muscadine vineyard unit at Beltsville on 4/5/39.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

Selection B8 (28)

From B8 R8, Willard, N.C.

Parentage: (Luola x V22 R15 B4) or (Luola x V22 R15 B4 an hermaphrodite from Eden x V23 R4 B2 an hermaphrodite from Eden x staminate Munsoniana vine, by Mr. Cole.)

Descriptive notes: Black grape. Vine vigorous, clusters of medium size, berries of good size and fair quality. Cercospora moderate, some Black Rot.
(9/2/38) Good vigor, fair clusters, late. Stamens reflex.
(9/9/39) Fair crop. Foliage bad with "measles", Isariopsis and Black Rot.

Propagation: 109 cuttings bedded in G.H.#7 on 2/10/38

Cuttings lifted on 5/18/38
72 no growth, 37 rooted. Potted.

Plants set in rear of lath house on 6/29/38.

37 plants lifted on 12/3/38. Two plants were sent to N.H.Loomis at Meridian, Miss., 28 were sent to Mr. Dearing at Willard, N.C. and two were planted on 4/5/39 in the muscadine vineyard unit at Beltsville.

Further trial at Willard, N.C. included in new vineyard unit, Block 9.

BLOCK 9

ORDER OF PLANTING FOR NEW SELECTION TEST VINEYARD

Planted 10 x 10. Row 1 on north side, vine 1 east end ~~xx~~ of row 1. Planting between blocks 7 and 8 and to be known as block 9

Selections from block 8

Row	Vine No.	Variety and source		
1	1 - 3	Selection No. 1	(V22R5B4 x V36R36B4)	Red
	4 - 6	" 2	(V26R5B4 x V36R36B4)	White
	7 - 9	" 3	(V47R9B2 x V4R27B4)	Black
	10 - 12	" 4	(V6R19B3 x V4R27B4)	Black
	13 - 15	" 5	(V22R5B4 x V4R27B4)	White
	16 - 18	" 6	(" x ")	Black
	19 - 21	" 7	(V26R5B4 x V4R27B4)	Pink
	22 - 24	" 8	(V22R5B4 x V22R15B4)	Black
	25 - 27	" 9	(V22R5B4 x V22R15B4)	Pink
	28 - 30	" 10	(V64R6B4 x ")	Red
	31 - 33	" 11	(" x ")	Reddish purple
	34 - 36	" 12	(Black grape x V36R15B4)	Black
2	1 - 2	" 13	(" " x ")	Pink
	4 - 6	" 14	(" " x ")	Black
	7 - 9	" 15	(New variety- Creswell x V22R15B4)	Black
	10 - 12	" 16	(V47R9B2-Stanford x V36R15B4)	Black
	13 - 15	" 17	(" " x V22R15B4)	White
	16 - 18	" 18	(San Alba x V62R14B4)	Black
	19 - 21	" 19	(Thomas x V62R14B4)	Black
	22 - 24	" 20	(" x ")	Black
	25 - 27	" 21	(" x ")	Black
	28 - 30	" 22	(" x V22R15B4)	Black
	31 - 33	" 23	(New variety- Creswell x V4R27B2)	Black
	34 - 36	" 24	(Luola x V62R14B4)	Black
3	1 - 2	" 25	(" x ")	Black
	4 - 6	" 26	(" x ")	Black
	7 - 9	" 27	(Latham x V36R15B4)	Black
	10 - 12	" 28	(Luola x V22R15B4)	Black

Selections from block 6

Row	Vine No.	Variety & Source		
3	13 - 15	Selection No. 1	(Latham x V62R14B4)	Black
	16 - 18	" 2	(" x ")	Black
	19 - 21	" 3	(" x ")	Black
	22 - 24	" 4	(" x V10R15B4)	Black
	25 - 27	" 5	(" x ")	Black
	28 - 30	" 6	(" x ")	White
	31 - 33	" 7	(" x V22R15B4)	Black
	34 - 36	" 8	(" x ")	Black
9	1 - 3	" 9	(" x ")	Black
	4 - 6	" 10	(" x V4R27B4)	White
	7 - 9	" 11	(" x ")	Black
	10 - 12	" 12	(" x ")	Black
	13 - 15	" 14	(" x ")	Black
	16 - 18	" 15	(" x ")	White

Row	Vine No.	Variety and source				
4	19 - 21	Selection No. 16	(Latham x V4R27B4)		white	
	22 - 24	" "	17 (" x ")		Black	
	25 - 27	" "	18 (" x ")		White	
	28 - 30	" "	19 (" x ")		White	
	31 - 33	" "	21 (" x ")		Black	
	34 - 36	" "	22 (" x ")		White	
5	1 - 3	" "	23 (" x V20R36B4)		Black	
	4 - 6	" "	24 (" x ")		White	
	7 - 9	" "	25 (" x ")		Late white	
	10 - 12	" "	27 (" x V36R36B4)		White	
	13 - 15	" "	28 (" x V68R14B4)		Black	
	16 - 18	" "	29 (Luola x ")		Black	
	19 - 21	" "	30 (" x ")		Black	
	22 - 24	" "	33 (" x V10R15B4)		Black	
	25 - 27	" "	34 (" x ")		Black	
	28 - 30	" "	35 (" x ")		Black	
	31 - 33	" "	36 (" x ")		Black	
34 - 36	" "	42 (" x V36R15B4)		Black		
6	1 - 3	" "	44 (" x V4R27B4)		White	
	4 - 6	" "	49 (" x ")		Black	
	7 - 9	" "	50 (" x ")		Black	
	10 - 12	" "	52 (" x V20R36B4)		White	
	13 - 15	" "	54 (" x ")		White	
	16 - 18	" "	56 (" x ")		Black	
	19 - 21	" "	57 (" x ")		Late white	
	22 - 24	" "	58 (" x ")		Black	
	25 - 27	" "	60 (" x V36R36B4)		Black	
	28 - 30	" "	61 (San Alba x V22R15B4)		Black	
	31 - 33	" "	61A (" x V36R15B4)		White	
	34 - 36	" "	62 (" x ")		Black	
7	1 - 3	" "	63 (" x V4R27B4)		Late white	
	4 - 6	" "	64 (" x ")		Late black	
	7 - 9	" "	66 (" x ")		Late white	
	10 - 12	" "	68 (" x ")		Late black	
	13 - 15	" "	70 (" x ")		Late black	
	16 - 18	" "	71 (" x ")		Late white	
	19 - 21	" "	72 (" x V20R36B4)		Late white	
	22 - 24	" "	73 (" x ")		Late white	
	25 - 27	" "	73A (" x ")		White	
	28 - 30	" "	74 (San Rubra x V68R14B4)		Black	
	31 - 33	" "	75 (" x ")		Black	
34 - 36	" "	76 (" x ")		Black		
8	1 - 3	" "	77 (" x V22R15B4)		White	
	4 - 6	" "	78 (" x ")		Pink	
	7 - 9	" "	79 (" x ")		Pink	
	10 - 12	" "	80 (" x V36R15B4)		Black	
	13 - 15	" "	81 (" x ")		Black	
	16 - 18	" "	82 (" x V4R27B4)		Pink	
	19 - 21	" "	83 (V47R9B2-Stanford x V10R15B4)		Black	
	22 - 24	" "	84 (" " x V36R15B4)		Black	
25 - 27	" "	86 (" " x V20R36B4)		White		
28 - 30	" "	88 (V6R19B3 x V62R14B4)		Late black		

White	X	17	"	"	"
Black	"	18	"	"	"
White	X	19	"	"	"
White	"	20	"	"	"
Black	X	21	"	"	"
White	"	22	"	"	"
Black	X	23	"	"	"
White	"	24	"	"	"
Late white	X	25	"	"	"
White	X	26	"	"	"
Black	"	27	"	"	"
Black	X	28	"	"	"
Black	"	29	"	"	"
Black	X	30	"	"	"
Black	"	31	"	"	"
Black	X	32	"	"	"
Black	"	33	"	"	"
Black	X	34	"	"	"
Black	"	35	"	"	"
Black	X	36	"	"	"
Black	"	37	"	"	"
White	X	38	"	"	"
Black	"	39	"	"	"
Black	X	40	"	"	"
White	"	41	"	"	"
White	X	42	"	"	"
White	"	43	"	"	"
Black	X	44	"	"	"
Late white	"	45	"	"	"
Black	X	46	"	"	"
Black	"	47	"	"	"
Black	X	48	"	"	"
Black	"	49	"	"	"
Black	X	50	"	"	"
Black	"	51	"	"	"
Black	X	52	"	"	"
Black	"	53	"	"	"
Black	X	54	"	"	"
Black	"	55	"	"	"
Black	X	56	"	"	"
Black	"	57	"	"	"
Black	X	58	"	"	"
Black	"	59	"	"	"
Black	X	60	"	"	"
Black	"	61	"	"	"
Black	X	62	"	"	"
Black	"	63	"	"	"
Black	X	64	"	"	"
Black	"	65	"	"	"
Black	X	66	"	"	"
Black	"	67	"	"	"
Black	X	68	"	"	"
Black	"	69	"	"	"
Black	X	70	"	"	"
Black	"	71	"	"	"
Black	X	72	"	"	"
Black	"	73	"	"	"
Black	X	74	"	"	"
Black	"	75	"	"	"
Black	X	76	"	"	"
Black	"	77	"	"	"
Black	X	78	"	"	"
Black	"	79	"	"	"
Black	X	80	"	"	"
Black	"	81	"	"	"
Black	X	82	"	"	"
Black	"	83	"	"	"
Black	X	84	"	"	"
Black	"	85	"	"	"
Black	X	86	"	"	"
Black	"	87	"	"	"
Black	X	88	"	"	"
Black	"	89	"	"	"
Black	X	90	"	"	"
Black	"	91	"	"	"
Black	X	92	"	"	"
Black	"	93	"	"	"
Black	X	94	"	"	"
Black	"	95	"	"	"
Black	X	96	"	"	"
Black	"	97	"	"	"
Black	X	98	"	"	"
Black	"	99	"	"	"
Black	X	100	"	"	"

Row Vine No. Variety and source

8	31 - 33 34 - 36	Selection No. 90 (V6R19B3 x V62R14B4) Late black " " 90B (
9	1 - 3 4 - 6 7 - 9 10 - 12 13 - 15 16 - 18 19 - 21 22 - 24 25 - 27 28 - 30 31 - 33 34 - 36	" " 91 (V6R19B3 x V62R14B4) Black " " 93 (" x ") Black " " 94 (" x ") Black " " 97 (") Late black " " 98 (") Late pink " " 99 (V6R19B3 x V22R16B4) Black " " 100 (V6R19B3 x V36R15B4) Black " " 101 (" x ") Black " " 102 (" x V20R26B4) Pink " " 103 (" x ") White " " 104 (" x V36R36B4) White " " 104A (" x ") White
10	1 - 3 4 - 6 7 - 9 10 - 12 13 - 15 16 - 18 19 - 21 22 - 24 25 - 27 28 - 30 31 - 33 34 - 36	" " 106 (" x ") White " " 107 (" x ") White " " 107A (" x ") White " " 108 (" x ") White " " 109 (" x ") White " " 110 (" x ") White " " 110A (" x ") Late white " " 111 (" x ") Late white " " 112 (" x ") White " " 113 (" x ") White " " 114 (" x ") White " " 115 (" x ") Pink
11	1 - 3 4 - 6 7 - 9 10 - 12 13 - 15 16 - 18 19 - 21 22 - 24 25 - 27 28 - 30 31 - 33 34 - 36	" " 116 (" x ") White, late " " 118 (" x ") White " " 119 (" x ") White " " 120 (" x ") Bronze white " " 122 (V39R2B2 x V62R14B4) Black " " 125 (" x ") Black " " 127 (" x V22R15B4) Black " " 128 (" x ") Black " " 129 (" x ") Black " " 134 (") " " 136 (V39R2B2 x V36R36B4) Black " " 137 (" x ") White
12	1 - 3 4 - 6 7 - 9 10 - 12 13 - 15 16 - 18 19 - 21 22 - 24	" " 138 (V22R15B4 x V36R15B4) Black " " 140 (V36R5B4 x V10R15B4) Late black " " 142 (" x V20R36B4) Late white " " 146 (V46R6B4 x V68R14B4) Black " " 147 (" x ") Black " " 148 (V46R18B4 x V36R36B4) White " " 149 (V57R18B4 x V62R14B4) Black " " 153 (V13R27B4 x bagged) White

Selections from block 4

Row	Vine No.	Variety and source		
12	25 - 27	Selection No.1	(James x V29R15B4)	Black
	28 - 30	" "	3 (Scuppernong x Louisiana)	
	31 - 33	" "	4 (" x ")	
	34 - 36	" "	5 (" x ")	
13	1 - 3	" "	7 (James x V69R18B4)	White
	4 - 6	" "	10 (Thomas x ")	Black
	7 - 9	" "	12 (" x ")	Black
	10 x 12	" "	13 (" x ")	Black
	13 - 15	" "	18 (" x ")	Black
	16 - 18	" "	19B (James x Winchell)	
	19 - 21	" "	20 (Thomas x Goethe)	
	22 - 24	" "	20A (V17R6B2 x Catawba)	
	25 - 27	" "	21 (San Jacinto x Ives)	
	28 - 30	" "	21A (James x Winchell)	
	31 - 33	" "	21B (" x ")	
	34 - 36	" "	22 (San Alba x Semillon)	
14	1 - 3	" "	22A (San Jacinto x Ives)	
	4 - 6	" "	22B (V17R6B2 x Catawba)	
	7 - 9	" "	22C (" x ")	
	10 - 12	" "	23 (San Jacinto x Ives)	
	13 - 15	" "	24 (Labama x Brilliant)	
	16 - 18	" "	25 (" x ")	
	19 - 21	" "	26 (Thomas x Key grape)	
	22 - 24	" "	26A (George x Goplalie)	
	25 - 27	" "	27 (San Alba x Terret Monstre)	
	28 - 30	" "	28 (San Jacinto x ")	
	31 - 33	" "	29 (V16R6B2 x	Late white
	34 - 36	" "	30A (V17R6B2 x Campbells Early)	Black
15	1 - 3	" "	30B (" x Delaware)	
	4 - 6	" "	33 (V4R27B4 bagged)	
	7 - 9	" "	34 (" ")	
	10 - 12	" "	39 (V19R32B4 ")	
	13 - 15	" "	41 (" ")	
	16 - 18	" "	42A (
	19 - 21	" "	43 (V29R32B4 ")	
	22 - 24	" "	44 (V17R6B2 x Catawba)	
	25 - 27	" "	45 (Thomas x Concord)	
	28 x 30	" "	47 (" x Markville de Malaga)	
	31 - 33	" "	48 (V39R2B2 x Goethe)	
	34 - 36	" "	49 (" x ")	
16	1 - 3	" "	50 (" x Trifere du Japon)	
	4 - 6	" "	52 (" x Semillon)	
	7 - 9	" "	55 (V4R27B4 x V20R36B4)	White
	10 - 12	" "	57 (V38R24B4 x V36R36B4)	White
	13 - 15	" "	58 (Thomas x V4R27B4)	Black

PLANTINGS IN NEW VARIETY TEST

To be known as block 10, located diagonally across road from block 7. Rows numbered from north to south; vines numbered from west to east; plants set 15 x 15 feet; 23 rows each containing 21 plants, the last three plants in each row being an addition to the planting as originally planned. The plant material used was taken from the old nursery immediately south of block 7 and from the new nursery immediately east of block 5. In some cases layers derived directly from parent selections were used in the absence of other plant material. In these cases, however, the layers were about as strong as the plants from the nursery.

Row No.	Vine No.	Variety	Source
1	1	V28R2B2	
	2 - 4	Eden	
	5 - 7	Scuppernong	
	8	V 28R2B2	
	9 - 11	Thomas	
	12 - 14	Mish	
	15 - 17	James	
	18	V28R2B2	
	19 - 21	Henry Shaw	
2	1	V7R11B2	
	2 - 4	Flowers	
	5 - 7	Memory	
	8 - 10	Hopkins	
	11	V7R11B2	
	12 - 14	Creswell	
	15 - 17	Luola	
	18	V7R11B2	
	19 - 21	V22R5B4	
3	1	V28R2B2	
	2 - 4	Beaufort	
	5 - 7	Morrison	
	8	V28R2B2	
	9 - 11	Stanford	
	12 - 14	Kilgore	
	15 - 17	Thompson	
	18	V28R2B2	
	19 - 21	V33R7B4	
4	1	V7R11B2	
	2 - 4	Carolina Belle	
	5 - 7	Latham	
	8 - 10	Smith	
	11	V7R11B2	
	12 - 14	Coloring	
	15 - 17	George	
	18	V7R11B2	
	19 - 21	V35R7B4	
5	1	V28R2B2	
	2 - 4	Sugar	
	5 - 7	V48R9B2	
	8	V28R2B2	
	9 - 11	Scuppernong	from J. W. Pinner
	12 - 14	V21R15B2	
	15 - 17	V22R15B2	
	18	V28R2B2	
	19 - 21	V35R7B4	

Row No.	Vine No.	Variety	Source
6	1	V4R27B4	
	2 - 4	V4R27B4	
	5 - 7	San Rubra	
	8 - 10	LaSalle	
	11	V28R2B2	
	12	Labama	
	15 - 17	V36R36B4	
	18	V36R36B4	
	19 - 21	V38R7B4	
7	1	V7R11B2	
	2 - 4	Selection No. 2 B6	
	5 - 7	" 11 "	
	8	V7R11B2	
	9 - 11	Selection 15	"
	12 - 14	" 22	"
	15 - 17	" 25	"
	18	V7R11B2	
	19 - 21	V36R36B4	
8	1	V28R2B2	
	2 - 4	Selection 30	"
	5 - 7	" 35	"
	8 - 10	" 36	"
	11	V28R2B2	
	12 - 14	Selection 54	"
	15 - 17	" 56	"
	18	V28R2B2	
	19 - 21	R23V15B3	
9	1	V7R11B2	
	2 - 4	Selection 61A	"
	5 - 7	" 73A	"
	8	V7R11B2	
	9 - 11	Selection 88	"
	12 - 14	" 94	"
	15 - 17	" 99	"
	18	V7R11B2	
	19 - 21	Latham (R3B7)	
10	1	V28R2B2	
	2 - 4	Selection 101	"
	5 - 7	" 2 B8	"
	8 - 10	" 3 B8	
	11	V28R2B2	
	12 - 14	Selection 4 B8	
	15 - 17	" 5 B8	
	18	V28R2B2	
	19 - 21	Creswell	
11	1	V7R11B2	
	2 - 4	Selection 6 B8	
	5 - 7	" 11 B8	
	8	V7R11B2	
	9 - 11	Selection 20 B8	
	12 - 14	" 21 B8	
	15 - 17	" 55 B4	
	18	V7R11B2	
	19 - 21	Morrison	

1	1	1
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96	96	96
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98	98	98
99	99	99
100	100	100

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Row No.	Vine No.	Variety	Source
12	1	V28R2B2	
	2 - 4	Dawn	
	5 - 7	Dulcet	
	8 - 10	Hunt	
	11	V28R2B2	
	12 - 14	Spalding	
	15 - 17	Howard	
	18	V28R2B2	
	19 - 21	Stucky	
13	1	V7R11B2	
	2 - 4	Irene	
	5 - 7	Brownee	
	8	V7R11B2	
	9 - 11	Lucida	
	12 - 14	Yuga	
	15 - 17	November	
	18	V7R11B2	
	19 - 21	Mish	
14	1	V28R2B2	
	2 - 3	Eden	
	4 - 5	Scuppernong	
	6	V28R2B2	
	7 - 8	Thomas	
	9 - 10	Mish	
	11	V28R2B2	
	12 - 13	James	
	14 - 15	Flowers	
	16 - 17	Memory	
	18	V28R2B2	
	19 - 21	Hopkins	
15	1	V7R11B2	
	2 - 3	Hopkins	
	4 - 5	Creswell	
	6 - 7	Luola	
	8	V7R11B2	
	9 - 10	Beaufort	
	11 - 12	Morrison	
	13	V7R11B2	
	14 - 15	Stanford	
	16 - 17	Kilgore	
	18	V7R11B2	
	19 - 21	Kilgore	
16	1	V28R2B2	
	2 - 3	Thompson	
	4 - 5	Carolina Belle	
	6	V28R2B2	
	7 - 8	Latham	
	9 - 10	Smith	
	11 - 12	Coloring	
	13	V28R2B2	
	14 - 15	George	
	16 - 17	Sugar	
	18	V28R2B2	
	19 - 21	Luola	

Adams	21	M	1875
Allen	22	M	1875
Anderson	23	M	1875
Armstrong	24	M	1875
Ash	25	M	1875
Ashley	26	M	1875
Austin	27	M	1875
Baker	28	M	1875
Baldwin	29	M	1875
Banks	30	M	1875
Barber	31	M	1875
Barrett	32	M	1875
Barnes	33	M	1875
Barnum	34	M	1875
Barry	35	M	1875
Bartlett	36	M	1875
Barton	37	M	1875
Baxter	38	M	1875
Baxter	39	M	1875
Baxter	40	M	1875
Baxter	41	M	1875
Baxter	42	M	1875
Baxter	43	M	1875
Baxter	44	M	1875
Baxter	45	M	1875
Baxter	46	M	1875
Baxter	47	M	1875
Baxter	48	M	1875
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Baxter	71	M	1875
Baxter	72	M	1875
Baxter	73	M	1875
Baxter	74	M	1875
Baxter	75	M	1875
Baxter	76	M	1875
Baxter	77	M	1875
Baxter	78	M	1875
Baxter	79	M	1875
Baxter	80	M	1875
Baxter	81	M	1875
Baxter	82	M	1875
Baxter	83	M	1875
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Baxter	86	M	1875
Baxter	87	M	1875
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Baxter	89	M	1875
Baxter	90	M	1875
Baxter	91	M	1875
Baxter	92	M	1875
Baxter	93	M	1875
Baxter	94	M	1875
Baxter	95	M	1875
Baxter	96	M	1875
Baxter	97	M	1875
Baxter	98	M	1875
Baxter	99	M	1875
Baxter	100	M	1875

Row No.	Vine No.	Variety	Source
17	1	V7R11B2	
	2 - 3	V48R9B2	
	4 - 5	Scuppernong	
	6	V7R11B2	
	7 - 8	V21R15B2	
	9 - 10	V22R15B2	
	11	V7R11B2	
	12 - 13	San Rubra	
	14 - 15	V4R27B4	
	16 - 17	La Salle	
	18	V7R11B2	
	19 - 21	V21R15B2	
18	1	V28R2B2	
	2 - 3	Labama	
	4 - 5	V36R36B4	
	6 - 7	Selection 2 - B6	
	8	V28R2B2	
	9 - 10	Selection 11 - B6	
	11 - 12	" 15 "	
	13	V28R2B2	
	14 - 15	Selection 22 "	
	16 - 17	" 25 "	
	18	V28R2B2	
	19 - 21	Selection 2 - B8	
19	1	V7R11B2	
	2 - 3	Selection 30 - B6	
	4 - 5	" 35 - B6 (set 1 plant)	
	6	V7R11B2	
	7 - 8	Selection 36 - B6	
	9 - 10	" 54 - "	
	11 - 12	" 56 - "	
	13	V7R11B2	
	14 - 15	Selection 61A - B6	
	16 - 17	" 73A - "	
	18	V7R11B2	
	19 - 21	Selection 3 - B8	
20	1	V28R2Be	
	2 - 3	Selection 88 - B6	
	4 - 5	" 94 "	
	6	V28R2B2	
	7 - 8	Selection 99 "	
	9 - 10	" 101 "	
	11	V28R2B2	
	12 - 13	Selection 2 - B8	
	14 - 15	" 3 - B8	
	16 - 17	" 4 - B8	
	18	V28R2B2	
	19 - 21	Selection 4 - B8	

17	1	VARIAS	
	2 -	VARIAS	
	4 -	Scopetone	
	6	VARIAS	
	7 -	VARIAS	
	9 - 10	VARIAS	
	11	VARIAS	
	12 - 13	San Rubra	
	14 - 15	VARIAS	
	16 - 17	La Salle	
	18	VARIAS	
	19 - 21	VARIAS	
18	1	VARIAS	
	2 - 3	VARIAS	
	4 - 5	VARIAS	
	6 - 7	Selection 2 - B6	
	8	VARIAS	
	9 - 10	Selection 11 - B6	
	11 - 12	" 12	
	13	VARIAS	
	14 - 15	Selection 25	
	16 - 17	" 25	
	18	VARIAS	
	19 - 21	Selection 2 - B8	
19	1	VARIAS	
	2 - 3	Selection 20 - B6	
	4 - 5	" 25 - B6 (set 1 plant)	
	6	VARIAS	
	7 - 8	Selection 36 - B6	
	9 - 10	" 34 - "	
	11 - 12	" 56 - "	
	13	VARIAS	
	14 - 15	Selection 61A - B6	
	16 - 17	" 13A - "	
	18	VARIAS	
	19 - 21	Selection 3 - B8	
20	1	VARIAS	
	2 - 3	Selection 88 - B6	
	4 - 5	" 94	
	6	VARIAS	
	7 - 8	Selection 99	
	9 - 10	" 101	
	11	VARIAS	
	12 - 13	Selection 2 - B8	
	14 - 15	" 3 - B8	
	16 - 17	" 4 - B8	
	18	VARIAS	
	19 - 21	Selection 11 - B8	

Row No.	Vine No.	Variety	Source
21	1	V7R11B2	
	2 - 3	Selection 5	-B8
	4 - 5	"	6 - B8
	6 - 7	"	11 - B8
	8	V7R11B2	
	9 - 10	Selection 20	-B8
	11 - 12	"	21 - B8
	13	V7R11B2	
	14 - 15	Selection 55	-B4
	16 - 17	Henry Shaw	
	18	V7R11B2	
	19 - 21	Selection 5	-B8
22	1	V28R2B2	
	2 - 3	Dawn	
	4 - 5	Dulcet	
	6	V28R2B2	
	7 - 8	Hunt	
	9 - 10	Spalding	
	11 - 12	Howard	
	13	V28R2B2	
	14 - 15	Stucky	
	16 - 17	Henry Shaw	
	18	V28R2B2	
	19 - 21	Selection 6	-B8
23	1	V7R11B2	
	2 - 3	Brownie	
	4 - 5	Lucida	
	6	V28R2B2	
	7 - 8	Yuga	
	9 - 10	November	
	11	V28R2B2	
	12 - 14	Morrison	
	15 - 17	Creswell	
	18	V28R2B2	
	19 - 21	Memory	

Row No.	Vine No.	Variety	Source
21	1	VIRIDIS	
	2 - 3	Selection 5 - B8	
	4 - 5	"	5 - B8
	6 - 7	"	11 - B8
	8	VIRIDIS	
	9 - 10	Selection 20 - B8	
	11 - 12	"	21 - B8
	13	VIRIDIS	
	14 - 15	Selection 22 - B4	
	16 - 17	Henry Shaw	
	18	VIRIDIS	
	19 - 21	Selection 5 - B8	
22	1	VIRIDIS	
	2 - 3	Dawn	
	4 - 5	Dulcet	
	6	VIRIDIS	
	7 - 8	Hunt	
	9 - 10	Spalding	
	11 - 12	Howard	
	13	VIRIDIS	
	14 - 15	Stacy	
	16 - 17	Henry Shaw	
	18	VIRIDIS	
	19 - 21	Selection 6 - B8	
23	1	VIRIDIS	
	2 - 3	Brownie	
	4 - 5	Louisa	
	6	VIRIDIS	
	7 - 8	Yoga	
	9 - 10	November	
	11	VIRIDIS	
	12 - 14	Morrison	
	15 - 17	Crawwell	
	18	VIRIDIS	
	19 - 21	Memory	